# je Kining Immal,

No. 1701.—Vol. XXXVIII.

LONDON, SATURDAY, MARCH 28, 1868.

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

(SUPPLEMENT) {STAMPED ... SIXPENCE, UNSTAMPED .. FIVEPENCE

M. R. JAMES CROFTS, STOCK AND SHAREBROKER,
No. 1, FINCH LANE, CORNHILL.
(Established 1842.)

SUMMER HILL has already paid 45s, 6d, per share in dividends. Buyers at the prices lately ruling should average their shares, by purchasing at the reduction in price, the market being cleared of all eager sellers.

WEST GODOLPHIN are recommended as an INVESTMENT. These shares are now at a moderate price, and the prospects of the mine most encouraging. Dividends will be regularly paid, yielding a high percentage on cost. A limited number of shares for sale AT THE LOWEST MARKET PRICE.

BUSINESS in ST. BRIDE'S SLATE QUARRIES (Pembrokeshire).—A valuable report from these extensive quarries has been received, a copy of which can be had on application. The shares are estimated to pay in the course of this year a very large percentage on a small outlay, and those Mr. CROFTS has for sale are peculiarly cligible as an investment in perpetuity, being fully paid-up to 2L, per share.

FOR SALE, as an INVESTMENT, a few shares in LILY QUARRIES (Pembrokeshire), fully paid to £5 per share.

pershare.

For SALE, as an INVESTMENT, a few shares in LILY QUARRIES (Pembroke-shire), fully paid to £5 per share. A report from the manager, dated Dec. It last, says—"I venture to state that by May next there will not be a better pro-perly in Wales for its extent."

Bankers: National Bank of Scotland, 37, Nicholas-lane, E.C.

Anglo-Braz., 108.

10 Hns FOR SALE the following shares, free of commission:

25 Anglo-Braz., 108.
29 Bryn Gwlog. 208.
30 Chontales, \$44\.
10 Clifford, \$\pmes 168\.
3d.
40 Chontales Royalty(\$\pmes 5\)
10 Great Laxey, \$\pmes 17\,
10 Cliv. Moor, \$\pmes 128\.
40 Edge and \$\pmes 64\.
40 Edge and \$

UIDE TO INVESTORS.—THE STOCK, SHARE, AND FINANCE REGISTER for April contains a comprehensive review of the Stock and Share Markets; a list of all the dividends paid in March; a comparative estimate of the profits of the several descriptions of shares; a selection of Investments paying 10 to 19 per cent.; and information for intending investors.—6d. per copy, or 5s. annually, post free.

Published by Mr. BAKER LELEAN, at his offices, 11, Royal Exchange, London.

WARD, WILLIAM WA STOCK AND SHAREDEALER, No. 29, THREADNEEDLE STREET, LONDON, E.C.

M R. JOHN BATTERS, STOCK AND MINING SHAREBROKER, 13, THROGMORTON STREET, LONDON, E.C. &

MR. WILLIAM SEWARD, STOCK AND MINING SHARE BROKER, 19, THROGMORTON STREET, LONDON, E.C. Every description of shares BOUGHT and SOLD at the best market price.

R. THOMAS SPARGO, STOCK AND SHAREDEALER, 224 & 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON, E.

MR. J. B. REYNOLDS, 70 and 71, BISHOPSGATE

STREET WITHIN, LONDON, E.C.

Established Eleven years.

Bankers: City Bank.

Mr. REYNOLDS has BUSINESS in the undermentioned properties, at prices highly advantageous for huyers—viz., Wheal Kitty (St. Agnes), Rose and Chiverton United, Prince of Wales, West &I, Ives, West Wheal Kitty, Chontages, Chiverton Moor, Colquite and Callington, Wheal Kitty (Lelant).

M ESSRS. POWELL AND MOSS, SHAREDEALERS, 78, OLD BROAD STREET, LONDON, E.C., and Mining Exchange, have large transactions in Prince of Wales, North Treskerby, Frontino, North Crofty, Chiverton, Chiverton Moor, and West Chiverton. Parties dealt with at a fair margin on the market price.

References exchanged.

Bankers : City Bank, Finch Lane.

JOHN RISLEY, (SWORN) STOCK AND SHAREBROKER, 48, THREADNEEDLE STREET, LONDON, E.C. Business transacted in the British Funds, Railway and other Stocks, Foreign Bonds, &c., on the usual commission, 1½ per cent. on mining and other shares, above £2; and at £2 and under 6d. per share.

References given and required.

Bankers: London and Westminster, Lothbury.

MR. THOMAS THOMPSON, MINING OFFICES, 12, OLD JEWRY CHAMBERS, LONDON, E.C.

MR G. D. SANDY, STOCK AND SHARE DEALER,
No. 48, THREADNEEDLE STREET, LONDON, E.C., TRANSACTS
BUSINESS IN EVERY DESCRIPTION of STOCK EXCHANGE SECURITIES,
MINING and FINANCIAL ENTERPRISES, at close market prices.
Correct Daily Price List can be had on application.
Money advanced to any amount on legitimate stocks and shares.

MATTHEW GREENE, STOCK AND SHAREDEALER,
1, ST. MICHAEL'S HOUSE, CORNHILL, LONDON, E.C.
The shares in the following mines are worth buying at the present prices:
Tamar Sliver-Lead, Montgomeryshire Lead and Barytes, New Clifford.
Full particulars on application.
Bankers—Metropolican Bank, Cornhill, London.
Tweedy, Williams, and Co., Redruth, Cornwall.

M. R. JAMES HUME, STOCK AND SHAREDEALER, 74, OLD BROAD STREET, LONDON, and MINING EXCHANGE. Every description of shares BOUGHT and SOLD for cash or account, Shares continued for responsible parties from account to account, at market prices and rates. Closing prices. Closing prices. Closing prices. 217 218 East Caradon 334 4 Don Pedro 246 24 pm. Prince of Wales 234 Chiverton More 338, 358, West Chiverton 46 65 Grenville 338, 358, 40 West Chiverton 46 65 Grenville 338, 358, 358, Wheal Uny 328, 348, Chontales 4 44, 44 Medical Uny 328, 348, Chontales 4 44, 44 Medical Uny 328, 348, Chontales 4 44, 44 Medical Uny 328, 348, Seton 85 874, Mr. Hume strongly recommends two or three rising mines certain of good results, Sankers: The London Joint-Stock. recommends two or three rising min Bankers: The London Joint-Stock.

1 134

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2 21/4

11/4 1/4 134 2

Bankers: The London Joint-Stock.

| Mark | William Mark | Borough | Grant | Gr

M. R. GEORGE BUDGE, STOCK AND SHAREDEALER, No. 4. ROYAL EXCHANGE BUILDINGS, LONDON, E.C. (Established 19 years), has FOR SALE at nett prices:—25 Gawton, £2 12s. 6d.; 20 Wheal Kitty (8t. Agnes), £2 7s. 6d.; 20 Great North Downs, £4 1s. 6d; 1 Minera, £205; 10 Maes-y-Safn, £28; 1 Devon Great Consols; 20 Linares, £2½; 100 Port Phillips (50 Dun Pedro, £2½) prem.; 70 Anglo-Brazilian, 9s. 3d.; 100 Anglo-Italian, 15s.; 50 United Mexican; 20 Rose and Chiverton; 2 West Chiverton, £63½; 10 Wheal Emily Henrietta; 150 West St. Ives; 100 Lovell Consols, 9s. 3d.; 70 Okel Tor, 20s.; 20 North Downs, 26s. 3d.; 30 West Wheal Creby, 3s.; 10 Summer Hill; 30 Colquite and Callington United, 32s. 6d.; 75 Camborne Yean, 7s. 6d.; 30 Wheal Uny; 100 Redmoor, 3s. 6d.; 50 New Crow Hill, 12s.; 10 Old Westminster.

ORNWALL AND DEVON MINES.—
PETER WATSON'S "WEEKLY MINING CIRCULAR AND SHARE LIST—
SYNOPSIS OF CORNISH AND DEVON MINES," of Friday, March 27, No. 472.
Vol. X., price 6d. each copy, forwarded on application, contains information on the following mines:—
East Wheal Lovell.
North Wheal Crofty.
North Wheal Crofty.
West Caradon.
Wheal Office of the control of the control

Wheal Trelawny. Prince of Wales.

Great Wheal Fortune.

Fortuna.

THE LONDON DAILY RECORD—STOCK AND SHARE LIST—STOCK EXCHANGE SECURITIES. Published every evening at 50 clock. It contains the latest prices of railways, banks, mines, foreign stocks and bonds, financial, insurance, and miscellaneous shares, remarks on the daily rise and fall in prices, with advice as to purchase and sales. Annual subscription, 21 is.; by post, 24 25s.; monthly subscription—by post, 4s.; single copy, 4d.; by post, 2d.

PETER WATSON, Stock and Sharedcaler, 79, Old Broad-street, London.

INVESTMENT OR SPECULATION.—A SELECTED LIST OF RAILWAYS, BANKS, MINES, COLONIAL SECURITIES, FOREIGN GOVERNMENT BONDS, &c., forwarded to bona fide investors on application, in addition to the high rate of interest many of the above are paying, there is now every probability of a great rise in market value.

now every probability of a great rise in market value.

PETER WATSON, STOCK AND SHAREDEALER,
79, OLD BROAD STREET, LONDON
(three doors only from Hereules-passage, entrance to the Stock Exchange).
Twenty-three years' experience.
(Two in Cornwall and Twenty-one in London.)
Bankers: The Alliance Bank, and the Union Bank of London.
References given and required (when necessary) in all the principal to the United Kingdom.

M. R. EDWARD COOKE, STOCK AND SHAREDEALER,
76, OLD BROAD STREET, LONDON, E.C.
The following mines dealt in at close market prices:—East Lovell, Grea
Wheal Vor, Prince of Wales, West Drake Walls, West Caradon, North Whea
Chiverton, Carn Brea, Frank Mills, Caldbeck Fells. North Treskerby, Now
Wheal Lovell, West Chiverton, Trelawny, West Kitty, East Carn Brea, Whea
Seton, North Downs, Clifford Amalgamated, and Trumper Consols.
BUYERS or SELLERS of the above will find it to their advantage—to apply
to Mr. COOKE.
Satisfactory references given in any town in the United Kingdom.
Bankers: Alliance Bank.

. W . H . C U E (late of the firm of WATSON and CUELL), Has REMOVED TO 42, CORNHILL, LONDON, E.C.

EORGE RICE, STOCK AND SHAREDEALER, 78, OLD BROAD STREET, LONDON, E.C. (Member of the Mining Exchange (25 years' experience), TRANSACTS BUSINESS in MINING SHARES, a close prices.

Money advanced on mining shares.

March 27, 1868. Bankers: Bank of England.

March 27, 1865. Bankers: Bank of England.

JOHN WILLIAM HOTCHINS ON
has FOR SALE at cash nett prices:

25 Chontales, £4 6s. 3d.
10 Carnarvon. Con, £356
26 Chontales, £4 10 S. Teskerby. 24s 9d.
26 East Russell, 24s.
10 North Crofty, £256.
27 Gawton, £256.
28 Gawton, £256.
29 Topsper Unid., 16s 3d.
Parties, by applying to the above, will be afforded every facility in the disposal (either by exchange or purchase) of shares temporarily unmarketable.
For SPECIAL SALE (to cover an advance)—29 West Godolphin, 22s, each nett; last dividend 2s., paid in December.

OFFICES—31, THROGMORTON STREET, LONDON, E.C.

OFFICES-31, THROGMORTON STREET, LONDON, E.C.

K. H E N R Y M A N S E L L

STOCK AND SHAREDEALER,
No. 44, THREADNEEDLE STREET, LONDON, E.C.
References Exchanged.—Member of the Mining Exchange.
Bankers: London Joint-Stock Bank.  $\mathbf{M}$ 

DUCKLEY, HOPKINS, AND CO., 35, WALBROOK, MANSION HOUSE, LONDON, E.C., have FOR SALE:—Summer Hill, £8; Do Pedro; Central Snalibeach, £7; Wheal Seton; Rosceliff and Tolearne, £7; Wheal Ida, 10s.; Providence; Herodsfoot, &c., We are BUYERS of Nangiles, Gawton, West Godolphin, and Clifford.

March 27. Bankers: London and Westminster, Lothbury.

M. R. T. ROSEWARNE, 81, OLD BROAD STREET,
LONDON, has BUSINESS in the following shares for each or time on:
Bedford Consols.
Bedford United.
Chiverton Moor.
Chorterton Moor.
Devon Consols.
Marke Valley.
Don Pedro.
Drako Walls.
Don Pedro.
North Crofty.
Drako Walls.
North Treskerby.
Okel Tor.
Old Gunnislake.
PRINCE OF WALES.—I am prepared to deal in any part of 2000 shares in this mine for time on, cash, or account at market prices.
T. R. is a SELLER of St. John del Rey for time on below the present market prices; also of Don Pedro, and Frontino and Bolivia.
T. R. can recommend three mines safe for a great rise within the next three months.
Money advanced to any extent upon good mining shares.

Office hours from 10 to 4.
Bankers: Bank of England.

Bankers: Bank of England.

M. R. EDWARD BREWIS, PALMERSTON BUILDINGS, 24, OLD BROAD STREET, LONDON, E.C., has FOR SALE, free of commission:—10 Chiverton Valley, 4%; 25 Lucy Phillips; 5 West Cornwall Granite, 7; 20 Rhydtalog; 20 Frontino; 10 Chiverton Moor, 6%; 15 Great Rhosesmor, 5½; 5 Westminster; 25 Don Pedro, 2½; 70 West St. Ires; 10 Prince of Wales, 53s. 6d.; 10 West Prince of Wales; 2 West Chiverton, 65; 15 Great Laxey, 17½; 20 Old Westminster; 5 West Caradon; 15 Rose and Chiverton 50 Colquite and Callington; 100 Lovell Consols, ¾; 20 New Birch Tor. ¾; 10 Rosewarne United, 4s.; 5 Macs-y-Safn; 30 Glen Alun, 8s.; 5 Linares; 20 Chontales, 4½; 5 East Seton, ¾.

\*\*\*\* GREAT RHOSESMOR LEAD SHARES.—SPECIAL BUSINESS in this great mine. Early applicants may secure a few at par.

M R. CHARLES THOMAS, MINING AGENT, GENERAL SHAKEDEALER, AND AUCTIONEER, 3, GREAT ST. HELEN'S, LONDON, E.C.

Second Edition, price One Shilling; post-free, fourteen stamps,

INING FIELDS OF THE WEST:

A PRACTICAL EXPOSITION OF THE

PRINCIPAL MINES AND MINING DISTRICTS OF CORNWALL AND DEVON.

Published by CHARLES THOMAS,

At No. 3, Great St. Helen's, London, E.C.

MESSRS. LANE AND GIBBS, 2, ROYAL EXCHANGE, LONDON, E.C. (Members of the Mining Exchange), STOCK AND SHAKEDEALERS, transact business in all kinds of securities at closest nett prices for eash or account.

SPECIAL BUSINESS In East Caradon, Snacfell, Great Laxey, and Minera shares, for eash, or the fortnightly settlement.

Daily price list on application, Bankers: London and County Bank.

GRANVILLE SHARP AND COMPANY, STOCK AND SHAREDEALERS, 32, POULTRY, LONDON, E.C. Bankers: London and Westminster, Lothbury, E.C.] [Established 1852.

WANTED TO PURCHASE,

100 Wheal Ida.

5 Wheal Seton.

10 West Chiverton.
10 West Chiverton.
20 Wheal Trelawny.
50 Wheal Chiverton.
Sellers must state number and lowest prices.

FOR CASH,—
1 West Seton, £203,
50 Chiverton Moor.
80 South Herodsfoot,

THE SAFEST INVESTMENTS OF THE DAY.
SPECIALLY RECOMMENDED. PAYING GOOD DIVIDENDS.
The following list of Dividend Investments has been selected with great care
and attention. It embraces all the best and safest investments of the day.

Name of company.	Amount paid per share.	Present price per share.	Interestat present pricep.cent.	When divi- cends are payable.
East Indian, guaranteed 5 per cent	£100 0 0	£110	£ 41/6	Jan. & July.
Great Indian Peninsula, ditto	100 0 0		41/2	Jan. & July.
Great Southern of India, ditto	100 0 0			Jan. & July.
Madras, 5 per cent., guaranteed	100 0 0			Jan. & July.
Victoria Government, 6 per cent	100 0 0			Jan. & July.
Canada Government, 6 per cent	100 0 0		6	Jan. & July.
ditto 5 per cent	100 0 0			Jan. & July.
Cape of Good Hope, 6 per cent., 1873	100 0 0			June & Dec.
Ceylon, 6 per cent., 1878	100 0 0			April & Oct.
Natal, 6 per cent. South Australian, 6 per cent., 1878	100 0 0			Jan. & July.
Scottish Australian Land Invest. (L.)	100 0 0			Feb. & August
Electric and International Telegraph	100 0 0		6	Feb. & August
Sub-Marine Telegraph	100 0 0	71	7	March & Sept.
City Discount (Limited)	4 0 0	21/2	16	Feb. & August
United States 5-20 Bonds, 1882	All.	72	8	May & Nov.
ditto 10-40 Bonds, 1904	All.	67	754	March & Sept.
West Chiverton (Silver-Lead) Mine	10 0 0			Quarterly.
Wheal Seton (Copper) Mine	58 10 0		1834	Bi-monthly.
West Wheal Seton (Copper) Mine	47 10 0		1318	Bi-monthly.
Herodsfoot (Lead) Mine	8 10 0			Four-monthly
South Caradon (Copper) Mine	8 0 0	400	9	Bi-monthly, Quarterly,
Wheal Mary Ann (Lead) Mine	4 10 6			Quarterly.
Wheal Basset (Copper) Mine	5 2 6	70		Bi-monthly.
Devon Great Consols (Copper) Mine	1 0 0			Bi-monthly.
Great Laxey (Lead) Mine	4 0 0		1136	Quarterly.
Ocean Marine Insurance	5 0 0			Feb. & August
Bank of Australasia	All.	60		March & Sept.
Bank of Egypt	All.	35	10	Jan. & July.
Colonial Bank	25 0 0	36		Jan. & July.
National Provincial Bank of England.	42 0 0			Jan. & July.
ditto ditto	12 0 0			Jan. & July.
New South Wales Bank	All.	47		Jan. & July.
South Australian Bank	All.	29		Jan. & July.
Union Bank of London	15 0 0			Jan. & July.
Hudson Bay	All.	141/2		June & Dec.
P.S STOCKS and SHARES of ev			LE de	scription nego
clated at the closest possible prices (fre-	of commi	ssion).		

MR. E. J. BARTLETT, STOCK AND SHAREDEALER, 30, GREAT ST. HELEN'S, E.C., LONDON, has SPECIAL BUSINESS in Great Laxey, Tin Hill, Uny, Don Pedro, West Godolphin, and Summer Hill.

BARTLETT AND CHAPMAN, STOCK AND SHAREDEALERS, 2, BUCKLERSBURY, LONDON, E.C.
Business transacted in every description of securities at closest market prices,

GREAT SOUTH CHIVERTON continues to improve, and must have a speedy advance in price.

LOVELL CONSOLS.—This is the cheapest property we can direct attention to.

Shares should be secured at once.

LOYELL CONSOLS.—This is the cheapest property
Shares should be secured at once.
WHEAL TRELAWNY.—Shares secured at present prices will pay at least 100
per cent. profit within twelve months.
GOLD MINES.—Great caution should be exercised before investing money in
this class of security. While home mines pay from 10 to 29 per cent., we are at
a loss to understand the motive for sending capital away from England, to end
in loss and disappointment.
Our "Investment Circular and Financial Record," forwarded post free on
application.
Bankers: London and Westminster Bank.

CHONTALES GOLD COMPANY,—FULL PARTICULARS of

the DIFFERENT CLASSES of SHARES can be obtained on application to Mr. J. H. Murchison, No. 8, Austinfriars, E.C.

MESSRS, J. TAYLOR AND CO., FINANCIAL, MINING, AND GENERAL AGENTS, 17, CROSS STREET, MANCHESTER, have the following SHARES FOR SALE:—

4 Carn Breas. 10 Great Wheal Vor. 5 Clifford. 50 Great Mona. 50 Penhale United.

JAMES SCOTT AND CO., STOCK AND SHAREDEALERS,
1, PINNER'S COURT, OLD BROAD STREET, LONDON, E.C.
J. S. and Co. are SELLERS, for cash or the account. of shares in any of the undermentioned mines, at quoted prices, net:
Lucy Phillips, 25 15s.
Marke Valley, £6 8s. 3d.
North Downs, £1 7s.
North Droky, £2 1s. 3d.
On Pedro, £2 1s6 (cx div.)
East Cara Brea, £1 15s.
East Loveli, £9 2s. dd.
East Loveli, £9 2s. dd.
East Caradon, £4.
East Loveli, £9 2s. dd.
Frontino, 13s. 6d.
Great South Tolgas, 15s.
Great South Tolgas, 15s.
Great South Tolgas, 15s.
Great South Tolgas, 15s.
J. S. and Co. are in a position to carry over from account to account any reacceable arount of mines stock at the low rate of 5 per cent, per annum, provided J. S. and Co. are SELLLE undermentioned mines, at a Anglo-Brazillan, 8s. 9d. Bedford Consols, £1. Chontales, £4 2 6 (£5 pd.) Chiverton Moor, £6 10s. Clifford Amal., £5 17s. 6d. Drake Walls, 11s. Don Pedro, £2 15s (ex div.). East Carn Brea, £1 15s. East Eussell, £1 7s. 6d. East Caradon, £4. East Lovell, £9 2s. 6d. Froutino, 13s. 6d. Gawton, £3. Great South Tolgus, 15s. Great Wheal Vor, £18 10s Great Laxey, £17 15s.

J. S. and Co. are in a position to carry over from account to account any reasonable amount of mine stock at the low rate of 5 per cent. per annum, provided it be paid down within 25 per cent. of the current market value, J. S. and Co. having in their employ several of the most experienced and trustworthy mine agents in the United Kingdom, who periodically inspect on their behalf all the bona fade mines in Devon, Cornwall, and Wales, are enable to accord to their friends and clients reliable advice as to the present and future prospects of mines they deem worthy the attention of investors.

References will be given to the Alliance Bank and the Bank of England.

PALMERSTON BUILDINGS, OLD BROAD STREET, and MINING EXCHANGE, LONDON, E.C., STOCK AND SHAREDEALER in all kinds of Stock Exchange and Mining Securities.

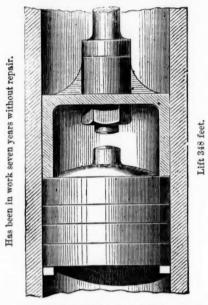
Established Twenty Years,

Money promptly advanced on shares.

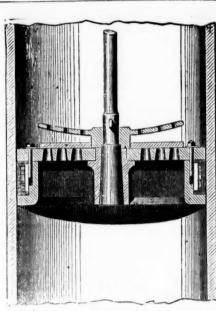
Bankers: London and Westminster, Lothbury

# MATHER AND PLATT

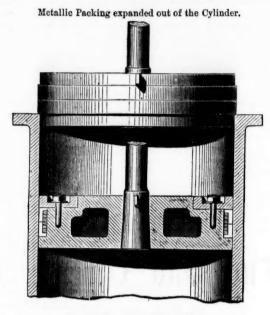
# MILLWRIGHTS, ENGINEERS, AND MACHINE MAKERS, SALFORD IRON WORKS, MANCHESTER.



COLD WATER PUMP FOR DEEP LIFTS.



AIR-PUMP BUCKET.



PISTON IN THE CYLINDER.

MATHER and PLATT beg to call the attention of ENGINEERS and USERS of STEAM POWER to their PATENT PISTONS, AIR PUMP BUCKETS, and COLD WATER PUMPS. The estimation in which these Pistons, &c., are held is shown by the fact that 4760 have been made, as well as by the following Testimonials

from gentlemen whose large experience and extensive practice enable them to judge of their qualifications:-" Bridgewater Collieries, Walkden, Bolton-le-Moors, October 26, 1867.

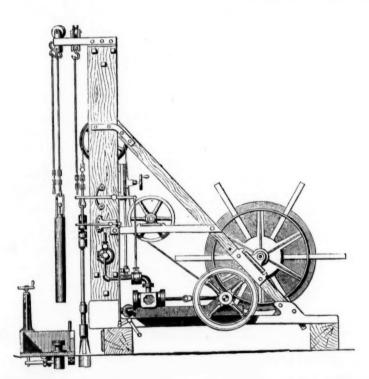
"GENTLEMEN, - During the last 19 years, commencing in 1848, I have put in upwards of 33 of your patent metallic pistons and pump-buckets, into 49 engines and 20 pumps, under my care at the Bridgewater Trustees' Collieries. I can bear testimony to the very efficient and economical working of the same, and feel confident that with ordinary care they will give general satisfaction, wherever brought into use, possessing, as they do, many practical advantages over other pistons and buckets, being simple, durable, and effective. I have one piston (No. 671) which has been working daily for more than 15 years, one (No. 1586) 10 years, and one (No. 2246) over 7 years, without cost of repairs or trouble of any kind, except occasional cleaning. The smooth and highly polished condition of the cylinders during this length of time convinces me that the action of the metallic packing is so equable and perfect as to render the piston steam-tight and self-adjusting, without producing any appreciable friction. I have had two of your patent metallic pump-buckets working daily for over seven years, one lifting 300 feet, and one 348 feet, and both are yet performing good duty. I am now putting in one of 10 inches diameter patent buckets, to work 10 strokes, of 8 feet 4 inches per minute, under a pressure of 12 atmospheres, and feel confident of success, thus showing the superiority over other buckets, more especially where long lifts and simplicity are required. I herewith hand you an order for a 53-inch diameter piston and rod complete, also air-pump bucket, 264 inches diameter, and rod "I remain, Gentlemen, yours very respectfully, complete. Hoping you will forward the same to these collieries as early as practicable,

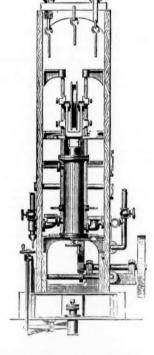
"Messrs, Mather and Platt, Salford Ironworks, Manchester."

"JESSE TIMMINS, Colliery Engineer.

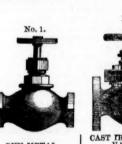
" Frampton Cottrell, near Bristol, October 31, 1867. "GENTLEMEN,-I have ordered direct, or included in specifications of engines which I have prepared, upwards of 100 of your pistons and buckets, between the years 1850 and 1867, and I feel convinced they are the best pistons that have come under my notice, and if any proof was wanting as to my opinion of them, it may be found in the fact of my ordering the last 70 inch piston from you "I remain, Gentlemen, yours truly,

"Mesars, Mather and Platt, Salford Ironworks, Manchester."

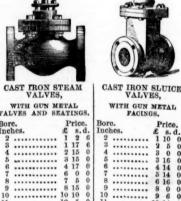




M. and P. beg to call attention to their Revised List of Prices of VALVES, TAPS, &c. They also request the notice of Water Companies and Hydraulic Engineers to their IMPROVED SLUICE VALVES for Water. The slides have Gun-metal Facings, are of Wedge form, and when screwed down are tight on both sides :-



GUN METAL



Improved Patent Earth Boring Machines

A considerable number of these Machines has been in most successful operation for some years in exploring for minera coal and the boring of Artesian wells, for supplying many towns, manufactories, &c., with water. Upwards of 50 bore-holes, from 6 in, to 24 in, diameter, representing in all 20,000 ft, of boring, have been sunk in various parts of the world, through rocks of every form and degree of hardness, from the New Red Sandstone to the Igneous formations, as well as Chalk and the London Clay.

The Machine is worked entirely by steam-power, requiring a small boiler, from 6 to 12 horse power, according to diameter of the bore-holes. The framing is made of wood, to render the Machine of easy transport.

The rate of boring is not appreciably decreased as the depth increases, as a flat rope is used in place of rods in the old system.

The attention of those interested in Metallic Mining is called

IMPROVED BUDDLE,

ORE WASHING MACHINE

Which they believe will be found of great benefit

TERMS AND PARTICULARS CAN BE HAD ON APPLICATION. JOHN E. DAWSON, Secretary,

# Don Pedro Ronth del Rey Gold Mining COMPANY (LIMITED).

At the SIXTH ORDINARY GENERAL MEETING of this company, held at the LONDON TAVERN, BISHOPSGATE STREET, on MONDAY, March 23, 1868,

#### HAYMEN, Esq., IN THE CHAIR, HENRY

It was proposed by the Chairman; seconded by Samuel J. Wilde, Esq.; and carried unanimously:

That the report and statement of accounts presented at this meeting be received and adopted.

It was proposed by the CHAIRMAN; seconded by ROBERT HESKETH, Esp.; and carried unanimously

That a dividend of 5s. per share, free of income tax be, and is hereby, declared for the year ending Dec. 31, 1867, making, with the dividends already declared for the quarters ending March, June, and September, a total return for the year of 13s. per share, or about 92 per cent, upom the paid-up capital of the company.

It was proposed by the Chairman; seconded by James Dowling, Esq.; and carried unanimously:

That the retiring directors, Messrs. William F. Foster and Samuel J. Wilde, be, and are hereby, re-elected directors of the company. It was proposed by the CHAIRMAN; seconded by B. C. HOOKE, Esq.; and carried unanimously

That Messrs. Quilter, Ball, and Co. be, and are hereby, re-elected auditors to the company for the ensuing year, and that the sum of 30 guineas be paid them for their services in auditing the accounts of the company for the past year.

It was proposed by Dr. Croker Pennell; seconded by Charles Chambers, Esq.; and carried unanimously:

That the best thanks of the shareholders are due, and are hereby tendered, to Captain Thomas Treloar and staff, for their zealous services in promoting the interests of the company.

It was proposed by Captain George Whitey; seconded by John Burbidge, Esq.; and carried unanimously: That the best thanks of the shareholders are due, and are hereby tendered, to the Chairman and directors of the company for their able management of the affairs of the company.

It was proposed by Charles Chamrers, Esq.; seconded by Robert Crowhurst, Esq.; and carried unanimously: That the thanks of the shareholders be, and are hereby, tendered to the secretary for the efficient manner in which he performs the HENRY HAYMEN, Charman, duties of his office.

9, Sise-lane, Bucklersbury, March 23, 1868.

# The Sao Vicente Mining Company

CAPITAL £50,000, IN 10,000 SHARES OF £5 EACH.

The liability of the shareholders is limited to the amount of their shares, the company being registered under the Companies Acts, 1862 and 1867, with limited liability, and the shareholders will have the option of converting their share certificates into share warrants (scrip), such share warrants being transferable without any further deed by the delivery of the share warrants (scrip).

Deposit for Registered Shares-5s. per share on application, and 5s. per share on allotment. Deposit for Share Warrants (Scrip)-5s. per share on application, and £4 15s. per share on allotment. The dividends will be paid in proportion to the amount paid up on the shares or share warrants.

#### HENRY HAYMEN, Esq.—CHAIRMAN,

Chairman of the Don Pedro North del Rey Gold Mining Company (Limited).

BANKERS-THE IMPERIAL BANK (LIMITED), 6, Lothbury, London, SOLICITORS-Messrs. WILKINS, BLYTH, and MARSLAND, 10, St. Swithin's-lane, E.C. AGENTS-Liverpool-Messrs, J. BRAMLEY-MOORE and Co. Brazil-Messrs, JOHN MOORE and Co. BROKER-JOHN H. GOLDING, Esq., 3, Warnford-court, Throgmorton-street, London, E.C.

#### SECRETARY-Mr. FRED. W. SMITH. TEMPORARY OFFICES,-12, BISHOPSGATE STREET WITHIN, E.C.

The object of the present undertaking is to develope an extensive gold mining property, lately belonging to the East Del Rey Mining Company (Limited), and for which a provisional contract has been entered into with the liquidators of that company.

The transfer has been arranged under the following conditions—viz., £10,000 to be paid as follows:—£5000 within one month after the company has received notice from Brazil that the property has been legally transferred to this company, and the remaining £5000 within 5000 w

within six months from that date The directors are of opinion that by purchasing the property for this small amount they will be enabled to close the capital account for a less sum than any company of a similar kind, and that consequently the dividends payable to the shareholders will be propor-

The mines are situated about 22 miles from Ouro Preto, the capital of the province of Minas Geraes, and between the famous mine of Gongo Soco and the Don Pedro North Del Rey Mines.

The highway from the interior passes through the estate, so that its position, as regards supplies of provisions and materials, is most favourable.

most favourable.

There is a jacotinga lode at the eastern section of the property, and on the estate are several gold-bearing quartz mines, the principal of which are the Sao Vicente Mine, Fox's Mine, Funcho's Mine, and Morro das Almas Mine.

The estate was purchased by the East del Rey Company in 1864 for the sum of £16,000, and further large sums have been expended on the mine for the erection of machinery and the development of the lodes. Success seemed to have crowned the efforts of the company, when, in the autumn of 1865, the produce of gold covered the working expenses and bid fair to leave a considerable profit.

A bar of poor ground, however, intervening, a check was given, and it was only when the funds of the company were exhausted that the mine again presented indications of another great and favourable change, and it was not till after the date that the company was declared to be legally entitled to the jacotinga formation.

Mr. W. Furst (who was employed especially to examine the mine) and Cant Trelogy both congruing representing it as having a

was declared to be legally entitled to the jacotinga formation.

Mr. W. Furst (who was employed especially to examine the mine) and Capt. Treloar both concur in representing it as having a most promising appearance, and yielding gold stuff of rich produce. About a quarter of a ton of ore was broken in the presence of Mr. Furst, and a box full was sent to England, and having been carefully assayed, yielded at the rate of 38½ oz. of gold per ton, this being the average from ten samples. Smaller quantities of stone assayed yielded over 200 ozs. to the ton. Some of the stone showed gold to the naked eye, but the above samples were selected from the fact of their showing no gold; the inference being that the lode, as a whole, is very rich. These results are highly satisfactory, and seeing that a yield of half an ounce of gold per ton of ore, if raised in large quantities, will leave a profit, there can be no reason to doubt that the outlay of a further small amount of capital will soon lead to very remunerative results.

in large quantities, will leave a profit, there can be no reason to doubt that the outlay of a further small amount of capital will soon lead to very remunerative results.

As before mentioned, there has been discovered upon the property a jacoting formation (the lode in which has been actually cut), an examination of which on the part of Mr. Furst, was more particularly desired by the directors of the East del Rey Company. Mr. Furst has given a very favourable opinion of this part of the property, and he has shown at some length what has been obtained from similar formations in Brazil, some of them having yielded immense quantities of gold; as, for instance, the Gongo Soco Mine, from which was extracted in three days 350lb, weight, or about £25,000 worth of gold. Another recent instance of success in jacotinga Mines is that of the Don Pedro Company.

It is the intention of the directors of this company to instruct their superintendent to prosecute vigorously the working of the jacotinga lode, for which the nature of the ground offers great facilities.

Prospectuses and forms of application for shares may be obtained at the offices of the company, and of the bankers, solicitors, and broker.

The amount of 5s, upon each share applied for must be paid to the company's bankers upon application; this sum wall be returned if no allotment be made to the applicant.

# A SSAY OFFICE AND LABORATORY, No. 2, CROWN CHAMBERS, CROWN COURT, THREADNEEDLE STREET,

THREADNEEDLE STREET,
CONDUCTED BY W. T. RICKARD, F.C.S., &c.
(Late MITCHELL and RICKARD).
manures, &c.
Gentlemen going abroad for mining and statement and other substances

on going abroad for mining purposes instructed in assaying, and the oved methods of reducing gold, silver, and other metals.

MINING PROPERTIES INSPECTED AND REPORTED ON.

CARLISLE BISCUIT COMPANY.

CARLISLE BISCUIT COMPANY.—WHOLESALE AND EXPORT BISCUIT MANUFACTURERS, CARLISLE, & 56, CITY ROAD, LONDON. For twenty years their biscuits have maintained a high reputation, for export they are specially prepared, so as to keep in any climate. To whofe affecting the same of the sa

MEAT BISCUIT FOR DOGS.

MEAT BISCUIT FOR DOGS, made by the CARLISLE BISCUIT COMPANY, is undoubtedly the best and cheapest food for dogs that has ever been introduced. It is equally adapted for sporting dogs, yard dogs, or for pets. It requires no cooking, and, without any other food, keeps dogs in the highest condition. Many of the prize-taking dogs at the last Birmingham show were fed, from applies, on this biscuit. Price 20s. per cwt. at Carlisle; or at their depot, 56, City-road, London, 22s, per cwt. Post-office orders payable to WILLIAM SLATER, Carlisle. Sold by corn chandlers everywhere. Book of testimonials from well-known country gentlemen, sent on application. Agents wanted.

WILLIAM SLATER, Managing Director,

On the 12th inst. we had 7½ tons of quartz from a vein west of Gold Lake, in the Laurencetown District, Nova Scotia, crushed at a mill at Montague, owned, as we are informed, by Carlos Pierce and others (who is now operating in this district in company with W. T. Townsend, G. B. Capel, and others). We received as the gross yield 1 oz. 13 dwsts. 9 grs. retorted gold. On the 26th inst. we had crushed at the mill of John Werner, Esq., Laurence-town, 1½ ton from the same vein, but apparently much inferior in richness, and received as the gross yield 1 oz. 7 grs. smelted gold, a difference of more than four to one against the Montague mill.

STRANGE AND GLASSON.

P.S.—Should the Hon, the Commissioner of Mines think proper to make formal enquiry into the disparity between the returns of the two lots, we are prepared to furnish the names of experienced miners who quarried and handled the rock, with their estimates of its value.—S. AND G.

Just published, price 1s., by post 1s. 1d.,

# THE SLATE TRADE IN NORTH WALES. By JOSEPH KELLOW, QUARRY ENGINEER (26 years of practical experience), Being a reprint of a series of Letters on the above subject, published in the MINING JOURNAL. London: MINING JOURNAL. LONDON: WILL be read at the through the control of the

Will be ready by the end of this month,
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HOPTON'S "CONVERSATIONS ON MINES," BETWEEN A
"FATHER AND SON" Revised, improved, and enlarged. Price 2s. ed., or 33 stamps, free by post.
London: Mining Journal Office, 2s, Fleet-street.

#### Meetings of Public Companies.

ECONOMIC LIFE ASSURANCE SOCIETY.

The annual court was held at the society's offices, New Bridge-street, on March 21,—Mr. Henry Barnett, M.P., in the chair. Mr. John R. Grimes (the secretary) read the notice convening the meeting.

The statement of accounts for the year ending Dec. 31, 1867, was

Received-Assurance premiums £220,703	3	7			
Less commission 7,720	11	0.=	£212,982	12	7
Interest on investments 100,177		4			
Less income tax 1,719	7	4-	98,458	0	0
Registration fees		• • • •	14	5	0
Total			£311,454	17	7
Paid-Assurance claims			£179,690	2	0
Annuity claims				10	0
Policies purchased			7,850		0
Re-assurance premiums			324	16	4
Office expenses			10,151	1	11
Law charges			736	16	6
Medical fees			264	1	6
Balance carried to investments			109,687	5	4
Total			£311,454	17	7

On 164 policies assuring 160 lives in the sum of 163,818t, including bonus.

Out of the 164 policies determined by death, 147, assuring 124,702t, carried 35,917t, bonuss.

The CHAIRMAN said, in rising to move the first resolution, which was usual on these occasions, and before entering upon the figures just read, he had to advert to a circumstance that had happened during the past year, which had, in some degree, affected the society—he referred to the loss they had sustained by the retirement of Mr. Macdonald, the late secretary, whose regignation, on account of 11-health, the board had received with considerable regret, as Mr. Macdonald had for a period of nearly 20 years, fmilled the duties of his office with great ability. They add been for every proof that he would become a very efficient successor to Mr. Macdonald, (Hear, hear.). As to the position of the society, the board considered the statement just submitted was very satisfactory. It would, no doubt, be recollected that last year he had to apologise in some measure because the figures then placed shall be a submitted upon previous occasions; but, at the same time, the caleavoured to impress upon the meeting the fact that there was no reason for any despondency, as, by the model in which their calculations were made, they must expect to have what might be called "upc" and "downs" in their bushless, and, therefore, although there might be a failing-off, in one year, unless they were all very much like. He was happy to say that his anticipations had been fulfilled even more rapidly than each of have been failing adultions be a been failfilled even more rapidly than each of have been failing and the past places and the submitted was as much as 40,600. Incore than that assured by the policies against 40 fails, and fully brought up the amount they had apparently lost. (Hear, hear.) The nature of that business had also been highly satisfactory, although they had fewer proposals amounted to 529, whereas during 1866, the number as a very favourable commercial The CHAIRMAN said, in rising to move the first resolution, which (Hear, hear.) They had had investments offered paying a higher rate of interest, but not considering them of that undoubtedly safe character they ought alone to invest the funds of the society in they had declined them, and they were able, consequently, to say that, upon the whole, they had the most perfect confidence in the security in which the money was invested, and that it was yielding a very satisfactory return. (Hear, hear.) The directors were indefatigable in their attention to the business of the society, and were doing all in their power to promote its interests. (Hear, hear.) He had upon former occasions drawn attention to the fact that in a mutual office of this kind they all hung very much together upon the same string, and he would take the present opportunity to repeat that every man who was insured in this society, by using his influence to bring new business, was taking the most effectual means of improving his property, and adding to the bonus on his own policy. He concluded by moving that the report be received and adopted.

Mr. CURTEIS said it might, perhaps, be satisfactory to the meeting if they were informed of the character of the fresh investments that had been made. He did not so much taken any new description of investment as they had refrained from investing in the funds. They thought they had sufficient money in the funds to meet every immediate requirement, and they had accordingly availed themselves of opportunities which occasionally offered of putting out money on the mortgage of rates, by which the interest was secured regularly, and repayment of capital in a certain number of years. This was a class of investment which suited an insurance office very well, although it not suit bankers and private individuals. They got upon those investments of provested in Consols. They also purchased some reversions a few years since, which had turned out remarkably well, and they had made a profit on reversions which had fallen in of 12,2801. (Hear, hear.)

Mr. CURTEIS considered the explana

fair question; but, at the same time, he had no objection to state that it was between 4½ and 4½ per cent. They considered it absolutely necessary to keep a considerable amount in immediately convertible securities, and, therefore, they could not expect to get a much larger amount.

Sir A. Dupp Gordon, Bart., having seconded the motion that the statement and report be received and adopted, it was put and carried nem. con.

The usual amount of 160l. was awarded to the auditors for their services during the past year, and the auditors (Messrs. J. G. Stillwell, J. Howell, R. Taylor, and H. Roberts) were re-elected.

Mr. Gurpis presumed that the business of the day had closed. He happened to be one of the oldest policyholders, having occupied that position for nearly 40 years, and its again afforded him much pleasure to express his greatest confidence in the operations of the society. He moved that the meeting should accord its testimony of the valuable services rendered by the directors by moving that its best thanks be given to them for their extreme and successful attention to the business of the office during the past year.—Mr. Barron, although a young policyholder, had the greatest pleasure in seconding the proposition. He must say it was with great satisfaction he heard from the Chairman that their investments did not pay them a higher rate of interest than 4½ per cent., considering that the larger proportion of the funds must be invested in securities which could not bring more than 3 per cent.

The motion was put and carried unanimously.

The CHAIRMAN said it was his most pleasing and gratifying duty to acknowledge the compilment which had been paid to the directors and himself. It was not the first time he had the honour of returning thanks for such a vote, and it was the more gratifying duty upon the present occasion because it was moved by an old insurer, who had considerable experience, and who had received considerable bonuses upon his policy, and, in the next place, because the motion was seconded by

#### DON PEDRO NORTH DEL REY GOLD MINING COMPANY.

The sixth ordinary general meeting of shareholders was held at the London Tavern, on Monday,-Mr. HENRY HAYMEN in the chair.

Mr. JOHN E. DAWSON (the secretary) read the notice convening nemeeting. The report of the directors (which appeared in last week's Journal) as taken as read.

The CHAIRMAN said that the result of the past year's operations could not fail to be more than satisfactory, when it was remembered that throughout that period the mines had been provided with a very inadequate supply of labour as compared with actual requirements;

port was stone.

sport was received and adopted unanimously.

the proposition of the Chairman, seconded by Mr. Hesketh, a dividend

r share was declared.

The retiring directors (Messrs, William F. Foster and Samuel J. Wilde) were re-elected, and Messrs, Quilter, Ball, and Co. were re-appointed auditors.

Dr. PENNELL said he had recently visited the Don Pedro Mines, and he could assure the shareholders that there was but one opinion with regard to Captain Treloar's ability, the general impression being that he was the most able mining engineer in Brazil; and as to his administrative ability, no better evidence could be adduced than the manner in which the works were carried out. Under those circumstances he had much pleasure in proposing that the best thanks of the shareholders be accorded to Captain Treloar.—Mr. CHAMBERS seconded the proposition.

The CHAIRMAN said that he thought the better time to have passed this vote of thanks would have been when Captain Treloar was in this country, but as it had been proposed and seconded, he would with pleasure put it to the meeting. The motion was put, and carried unanimously. A discussion took place with regard to offering some substantial acknowledgment to the Chairman for the valuable services he had rendered while the company was in great financial difficulties. It was eventually agreed, however, to postpone the consideration of the question; and a unanimous vote of thanks were then passed to the directors and to Mr. Dawson, the secretary. The meeting then separated.

#### UNITED MEXICAN MINING COMPANY.

UNITED MEXICAN MINING COMPANY.

An extraordinary general meeting of shareholders was held at the offices of the company, Great Winchester-street-buildings, on Wednesday,—Mr. CHARLES MORRIS in the chair, "for the purpose of submitting a proposal for the acquisition by the company of certain mines in Mexico, and if so agreed upon, for calling up such other portion of the capital as may be determined."

Mr. W. M. BROWNE (the secretary) having read the notice convening the meeting, the CHAIRMAN said the shareholders were aware that this meeting had been called in consequence of what occurred at the

ing the meeting, the CHARMAN said the shareholders were aware that this meeting had been called in consequence of what occurred at the meeting held in November last. The result of that meeting was that Mr. Furber was empowered to enter into a provisional contract, the directors undertaking to again convene the shareholders so soon as they were informed that the pre-liminaries had been arranged. If the shareholders should agree to confirm the agreement which would presently be submitted, it was the intention of the board to make a call of 2s. 6d. per share in May, payable in July, and the next call of 2s. 6d. per share in November, making the agreed upon amount of 5s. per share per annum.

per annum. A SHAREHOLDER asked what amount it was proposed to raise?——The CHAIR-MAX could not better reply to that question than by reading a portion of the re-

to again convene the shardhoiders so soon as they were intormed that the pregreement which would presently be submitted, it was the intention of the board
to make a call of 2s. 6d. per share in May, payable in July, and the next call of
the safe and the safe of the safe in May, payable in July, and the next call of
the safe and the safe of the safe in any one year, and that the old amount so called up shall not exceed its, per abare. But before proceeding further with the diseasation, he would
reference to the proposed extension of operations.

The Secturality read the extracts referred jo. Referring to the addition of the safe in any one year, and that the total amount so called up shall not exceed its, per abare. But before proceeding further with the diseasation, he would
reference to the proposed extension of operations.

The Secturality read the extracts referred jo. Referring to the addition of the safe in the safe in any one year, and that in the safe in the safe

The special report from Mr. C. J. Furber, dated Guanaxuato, January 21, and received March 6, 1868, stated that—"On the 6th inst. I denounced for the adit of San Cayetano all the ground from the north-western end of its present territory to the mine of Mexiamora. This denuncio includes the mines of Buenos Ayres, San Miguel, San Antonio, San Cayetano, El Diamante, and Mexiamora. On the 15 inst. a meeting of the owners of the adit was called by me; some few did not attend, but the great majority, composd of 20 bars, met and discussed the project submitted to their consideration. The copy of the provisional basis agreed upon will go forward with this letter; they will be carried out by the parties who have signed them, but are legally binding on none till ratified by the London board; the owners resolutely refused to tie themselves down by a formal contract unless I, on the company's part, agreed to take over the concern at once. The chief reason for this is that they are unwilling to allow the company the right of availing itself of any discovery made by themselves in the adit now worked at their sole expense, and before any outlay on it may have been made by the London owners. I hope, therefore, that if the directors approve of the terms they will at once give a decisive answer, and empower me to come to a formal agreement. They can afterwards furnish me with the necessary fundafor carrying out by degress the work as planned. It must be borne in mind that the document as copied and sent forward is merely drawn out by the owners and the undersigned, thus far no legal adviser has been consulted, but when a formal contract is entered upon a competent party must be employed to draw it out in legal form and with the customary requisites."

The CHAIRMAN said he would now ask the secretary to read the terms of the provisional contract.—The SECRETARY read the contract, which was in effect that the owners of the adit cede to the company three-quarter parts of the mines annexed to it. This amount of capital corresponds to

The profits to be divided according to the shares represented by each. As soon as the concern leaves profits, one-half of them shall be destined to replace the working find.

The profits to be divided according to the shall be destined to replace the working fund.

The CHAIRMAN said the shareholders now possessed every information necessary to guide them to a decision upon the question before the meeting. As far as the directors were concerned, they were unanimously of opinion that the shareholders would do wisely by adopting the recommendation, and endeavour all in their power to successfully carry it out. He would now read the resolution the directors proposed to submit. It was as follows:—"That the provisional agreement entered into by Mr. Furber with certain parties in Mexico for the acquisition of new mines, and which has been submitted to this meeting, be confirmed, and the directors are hereby authorised and requested from time to confirmed, and the directors are hereby authorised and requested from time to time to call the shareholders together for the purpose of making such call on the shares of the company as may be required to carry into effect such agreement, provided that such calls, shall not exceed 5s, per share in any one year, and that the total amount so called shall not exceed 15s, per share.'

A SKARBHOLDER said that 24,000, would be equal to 10s, per share, and yet the directors asked for 15s. He did not, however, make this remark because he doubted the success of the scheme—on the contrary, he intended to give it his hearty support, as he hoped would all his fellow-shareholders.—The CHAIR-MAN said that that was the maximum, but they hoped 10s, per share will not be required.

A SHAREHOLDER sale than 2-stores would be applied the directors asked for 15s. He did not, however, make this remark because he doubted the success of the scheme—on the contrary, he latended to give it his doubted the success of the scheme—on the contrary, he latended to give it his bary and the success of the scheme—on the contrary, he latended to give it his bary and the success of the scheme of the success of the scheme of the sc

#### LINARES LEAD MINING COMPANY.

The half-yearly general meeting of shareholders was held at the company's offices, Queen-street-place, on Thursday,
Mr. W. Cox in the chair.

The half-yearly general meeting of shareholders was held at the company's offices, Queen-street-place, on Thursday,

Mr. W. Cox in the chair.

Mr. H. SWAFFIELD (the secretary) read the notice convening the meeting, and the report and accounts, having been printed and circulated previous to the meeting, were taken as read.

The CHAIRMAN, in moving the reception and adoption of the report, congratulated the shareholders upon the results of the company's operations, being that the directors were enabled to pay a dividend of 3s. 4d. per share. The difference in the amount of profit realised was due to some extent from various conomies which had been effected in Spain, but also from the difference in the cost of carriage, which very favourably affected them, both in getting the coal from the port to the works and in getting down the lead from the works to the port. This was the first half-year in which they had fully experienced the benefit of the reduction which had taken place. When lead was at 22. or 28. per ton they were enabled to pay large dividends, notwithstanding the high cost of carriage; but the lead market had been so long going down, and the result of the civil war in the United States had been so materially to reduce the consumption of lead in that country, that they had now to sell at from 18t. to 19t. per ton. They had not yet sold at the lowest of those figures, and from their financial position they were not compelled to force their lead upon the market. They were now getting a better price than for the last two years, and they had within the last forthight realised 19t. 2s. 6d, per ton. Up to the present time they ough to congratulate themselves that they had been enabled to pay a dividend of 3s. 4d, per share. He was afraid that Mr. Taylor would tell them that the yalled to five their profits long to continue. Some 18 months ago they commenced the Quinientos Mine, where the results had been avourable and the prospects bright, so that if they could not keep alive the old Pozo Ancho they might hope

the same conveyance; and he believed that if two or three members of each company were appointed to consult with the directors a desirable plan for amalgamation could be arranged.

Mr. TAXLOR said that with regard to the position of the mines, Mr. Cox had led them rightly to suppose that the process of exhaustion of the old mine was going on. They were working the mine as well as possible, and had three or four good places to look to, and they were anxious to continue the profitable working of the old mine until they could bring Quinlentos into play. They had all the evidence of the lode in that mine having been one of the most productive in the district, but it had been cut off by a cross-course; they had, however, the lode on the other side of it, and it seemed to improve as it goes down. He quite entertained the opinion that they would be able to open out the Quinlentos bad for the Alamillos with profit to this company, but he had not altered his opinion as to the amalgamation; he believed that great economy would result, but that the difficulties in the way would be very great. He believed that, owing to the construction of the Linares Deed of Settlement, one single shareholder in that company could stop the amalgamation, so that it would at least be desirable to take good legal opinion before proceeding further. Theremight be a time when amalgamation would be still more desirable, as, for example, when there were other mines to be taken up. At present they had, no doubt, lost many good opportunities, and should, no doubt, continue to lose opportunities which, were the companies amalgamated, they would be able to take advantage of. They would also gain advantage from the mixing of their ores, which with the separate companies was impossible. With regard to the position of the lead market, the statistics furnished by the Board of Trade returns, were very interesting. In 1885, the imports were 34,903 tons of pig-lead, and this increased to 36,946 tons in 1886; and further to 45,158 tons in 1867, which was the

importance to it, believing that the recent Acts of Parliament relating to public companies fully met any difficulty which the Linares Deed of Settlement might present. He really thought that the amalgamation of the three companies would be the most popular thing that could emanate from that office, and that if it were practically earlied out it would present no real difficulty.

Mr. J. P. JUDD observed that some of the largest shareholders in Alamillos and Fortuna would oppose amalgamation to the utmost. Himself and his immediate friends held a very large proportion of the shares, and he, therefore, thought tright to state that the amalgamation would meet with the utmost possible opposition.—The Chairban admitted that, although the advantages of amalgamation would be great, the difficulties of carrying it out were even greater, for they must remember that the Linares had 15,000 shares of \$8. each=\$15,000, and a surplus capital of \$17,000.; whilst in the case of the Alamillos there were \$5,000 shares=\$70,000., and a deficiency of 10,000., and the difficulty of equitably balaucing the respective interests would be very great. Assuming that they got rid of the legal difficulty, he knew that they could not carry out the amalgamation, for he knew that there were sufficient opposed to it in Linares to prevent it. If Mr. Fawcett could submit any scheme which could be approved by any third person the directors would be glad to give it their attention, but he feared Mr. Fawcett would find it more difficult than he supposed.

Mr. TATIOR considered that Mr. Cox had not at all correctly represented the position of the Fortuna Company, for whilst their assets were \$37,000, their liabilities were only \$2,000., so that they had really \$0000. surplus instead of 10,000. deficiency, as Mr. Cox had stated.—Mr. Fawcett admitted that there were some difficulties in the way of arranging the respective interests, and the matter then dropped.

then dropped.

The reception and adoption of the report was then put to the meeting, and carried unanimously. Messrs. John Addis. William Henderson, and Charles Morris were re-elected directors; Mr. R. Henty was elected a director in the place of Mr. James Crosby, deceased; and Messrs. J. R. Peill and R. Palgrave were appointed auditors. The proceedings terminating with the usual complimentary votes.

#### FORTUNA MINING COMPANY.

The half-yearly general meeting of shareholders was held at the offices of the company, Queen-street-place, on Thursday,
Mr. CHARLES MORRIS in the chair.

Mr. H. SWAFFIELD (the secretary) read the notice convening the

meeting.

The report of the directors (which was taken as read) stated that

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offices of the company, Queen-street-piace, on anuscusy, Mr. Charles Morris in the chair.

Mr. H. Swapfield (the secretary) read the notice convening the meeting.

The report of the directors (which was taken as read) stated that athough the profit made (3096. Is. 6d.) had not equalled that of the preceding half year, the causes that had led to the apparent falling off are of a somewhal exceptional character. The first installment of originally borrowed. The report is a stanking fund as been rereated for the purpose, the directors apprehend no difficulty in meeting these engagements at maturity.

The CHAIRMAN said that although the report was not so satisfactory as could have been wished, yet if it were properly analysed share tholiers would see that there was no reason whatever to be dissatisfactory as could have been wished, yet if it were properly analysed share with the exceptional outlay in opening the mine; but another cause had militated against their profit—that the ore was not so good as either that from the Linares or Alamillo Mines. Whether they would be able subseque to be given to the adjustment of the state of the debenture. The state of the state of the debenture. The state of the state of the debenture. The state of the state of the debenture of the state of the state

mooted, the objection raises was an established. The retiring directors the report and accounts were received and adopted. The retiring directors (Messrs. J. P. Judd, Charles Morris, and John Taylor) were re-elected; and the appointment of Mr. Palgrave to a seat at the board was confirmed. Messrs. J. T. Dorington and Charles Roberts were re-appointed auditors.

A vote of thanks to the Chairman and directors terminated the proceedings.

#### ALAMILLOS MINING COMPANY.

whe half-yearly general meeting of shareholders was held at the impany's offices, Queen-street-place, on Thursday,
Mr. J. P. JUDD in the chair.

Mr. J. P. JUDD in the chair.

Mr. H. SWAFFIELD (the secretary) read the notice convening the meeting, and the report and balance-sheet, having been previously circulated amongst the shareholders, were taken as read.

The CHAIRMAN said that so much time had been occupied by the

Linares meeting that he would at once propose the reception and adoption of the reports and accounts, without any remark, except that the progress during the year had been satisfactory, that the mine was looking most cheering, and that in the current half-year their profits would be larger than

grees during the year had been satisfactory, that the mine was looking most cheering, and that in the current half-year their profits would be larger than in the last.

Mr. PELL remarked that, as to the price paid for the privilege of smelting their ore at the Cordova Works, he noticed from the Linares accounts that the Linares Company realised in the half-year a profit of 7771. 10s. upon the smelting their ores, and, considering the cost at which the Linares Smelting Works were erected, it would be seen that the amount gained upon the Alamillos ores alone was sufficient to pay 10 per cent. profit for the half-year upon the entire cost of the works, which he thought was too much. To himself it did not make be slightest difference, being equally interested in the three companies, but he was a company to the control of the works, which he thought was too much. To himself it did not make be slightest difference, being equally interested in the three companies, but he was a read of the works, which he subject had already been under discussion at the board, and Mr. Swaffield had been directed togo into the figures, so as to enable the directors to arrange the amount of reduction to be made.

Mr. TAYLOR had mentloned to the board that there should be some reduction in the charge to the Alamillos Company, but it should be remembered that it was quite just that some profit should appear in the Linares accounts, because the Alamillos Company was charged nothing for rent, management, and other expenses. He thought the charge for smelting should be reduced gradually, and according to circumstances. With regard to the Alamillos Mine, he might say that the eastern portion of the mine had disappointed them. They had spent no money there for the last two years, but there were some works being carried on a here upon tribute, which returned them some ore, and might lead to further discoveries. At Taylor's shaft there was a good engine, which was ample for their purpose. The best ore had been met with about Magdalena; there was

The reception and adoption of the report and accounts were unanimously carried, Messrs. J. P. Judd and John Taylor were re-elected directors, Mr. R. Palgrave was elected a director in place of Mr. James Crosby, deceased, and Messrs. J. R. Peill and H. D. Abercromble were appointed auditors, with a salary of 20 guineas per annum each from June 30 last. The proceedings terminating with the usual compilmentary votes.

#### SIEGENA SULPHUR MINING COMPANY.

The adjourned general meeting of shareholders was held at the company's offices, Westminster,—Mr. H. J. TROTTER in the chair.
Mr. A. M. DOERING (the secretary) read the notice convening the meeting, and the directors' report, of which the subjoined is an abstract, was then submitted:—

meeting, and the directors' report, of which the subjoined is an abstract, was then submitted:—
From delays attending the investigation of the title, the final contract, wherby the company acquired possession of the mines, was not signed until Aug. 2 last. The company obtained formal possession on Aug. 20. The total quantity of ore raised from Aug. 3, when the mines commenced working on account of the company, to the end of December was 8866 tons, of which 4956 tons were sold in Germany and 3176 tons in England; an additional 890 tons have been won ready for raising. In every respect save one the expectations held out in the prospectus have been realised. That exception relates to a cause beyond the control of the company—a great depression of trade in Germany, and a sudden and unexpected fall in English prices for sulphur ore. At the time of the issue of the prospectus the ruling price in Newcastic was 10d. per unit, and tending to increase; at the present moment 8d. can with difficulty be obtained. This fall represents a diminution in profit of 7s. per ton. There is good reason for believing that these drawbacks will not be of long continuance, and as soon as trade resumes its normal state a large increase in the profits of the company will certainly ensue. As it is, the nett profits, after deducting all expenses in England and Germany, amount to 3208. 9s. 9d. for the five months to the holders of the 8 shares, whose call was paid on Dec. 31, at the rate of 5 per cent. per annum; this will amount to 210d. In accordance with the Articles of Association, the holders of the B shares will not participate in this dividend. It is apparent that much more than this (after allowing for interest on unpaid instalments, 314d.) has been carned, but the directors, considering the present state of the market, have determined to apply the balance of 7744d. towards meeting future instalments of purchase money. The consequence of putting this large sum to the reserve fund has been that the board is enabled to postypone the cal

The meeting empowered the directors to treat with the vendors concerning their offer of accepting a reduction of the purchase money, in consideration of

#### CENTRAL AMERICAN ASSOCIATION.

A special general meeting of this association was held, pursuant to notice, at the offices of the company, 4, Westminster Chambers, S.W., on Friday, March 20.

On Friday, March 20.

Present,—Captain Bedford Pim, R.N., in the chair; A. A. Pollock, De l'Isle Berdmore, Lord George A. Paget, Captain A. G. Reid, G. C. Bompas, C. W. Bell, Admiral Young, J. M. Stobart, E. Harding, Dr. Seemann, Col. Douglas, L. P. Allen, W. H. Bayley, and others.

The notice convening the meeting having been read,

The CHAIRMAN said that they were met together on that occasion The CHAIRMAN said that they were met together on that occasion o pass the formal resolutions necessary to carry out their wishes, as expressed y resolutions passed at the extraordinary general meeting of Jan. 6. He thought here could be no difference of opinion as to the desirability of reducing the lability on their shares, from 3. 10s. to 10s., and with regard to the return of 1. IPV share out of the 11. 10s. paid up that must be satisfactory to every one; as twas not, therefore, his intention to take up their time by making a speech, he rould at once propose the first resolution, as follows:—1. That the capital of he company be reduced to 30,0001, divided into 30,000 shares of 11. each.

Mr. POLLOCK seconded the resolution.

The CHAIRMAN then said that before putting it to the meeting, he should be ery glad to answer any questions in reference to their position and prospects thich gentlemen present might like to ask.

After remarks from Admiral Young, Mr. Harding, and Colonel Douglas, and answers by Mr. Pollock, the resolution was put by the Chairman, and carried nanimously.

answers by Mr. Policek, the resolution was put by the Chairman, and carried unanimously.

The second resolution, as follows, was then proposed by the CHAIRMAN:—
2.—That the sum of 11. per share be returned to the holders of all issued shares upon which the sum of 30s. per share is now paid up, payable by two equal instalments, on Oct. 1, 1868, and Feb. 1, 1869.

This was seconded by Mr. POLLOCK, and after some conversation, chiefly in reference to the different properties of the company and the dividend of 25 per cent. which is about to be declared at the ordinary general meeting in May next, the CHAIRMAN put the resolution, which was carried unanimously.

The usual vote of thanks to the Chairman and directors was proposed and seconded in complimentary terms, and the meeting separated, several gentlemen remaining some time at the offices to look at the numerous sketches of the Chontales mining district and of Nicaraguan scenery, manners, customs, &c., belonging to Captain Bedford Pim.

#### PESTARENA UNITED GOLD MINING COMPANY.

The first general meeting of shareholders will be held on Monday, when the reports of the directors, managing director, and chief captain, and the statements of accounts from April 1 to Dec. 31, 1867, of which the subjoined are abstracts, will be submitted:—

The floating assets amount to £10,812 8 6

the small native mills at Pestarena, costs about 14 frs. per ton, showing a difference of 11.50 frs. per ton.

The quantity of mercury consumed in the amalgamation of the ore averaga 366½ grammes per ton of ore, of the value of about 1s. 8d. All the ore, with the exception of that at Val Toppa, is chiefly suriferous pyrites, and they are consequently obliged to grind and amalgamate the whole body of it without previous concentration by stamping and blankets. Their loss of mercury is smaller than has over been the case in other concerns similarly situated. While the three districts produced in 1866, before their union, 179,143 grammes of gold, which realised 19,5704, the remittances of gold made for the United Company since April 1, 1867, have amounted to 240,444 grammes, realising 25,5741., show-

ing an increase of above 6000L, although the great advantages arising from the amalgamation of the mines are still to come.

With regard to the future, they state that while they consider it most important to produce as much gold as possible, and to go on increasing the returns, by continuing those improvements, of which both the underground and surface department are capable. Most of these are already under fair progress, as you have seen in the preceding.

#### BRADDA MINING COMPANY.

The half-yearly meeting of shareholders was held at the Royal Hotel, Douglas, Isle of Man, on Monday,—Mr. G. W. DUMBELL in the chair, The accounts, which had been examined and certified by Mr. Jas. Haining, showed a credit balance of 1358l. 13s. 3d.

The accounts, which had been examined and certified by Mr. Jas. Haining, showed a credit balance of 1358!. 13s. 3d.

The directors stated that by the manager's report it appears that the produce of the mine since the meeting in November has not equalled Capt. Barkell's expectations, yet the general appearances of the present workings are most encouraging. The fact of the branch lode having been met with in the sinking of Spittall's shaft, containing ore to an extent worth saving, justifies the belief that the main lode in connsction with this branch will produce something of importance. The directors have no intention of relaxing their efforts to prosecute the mine with all the force that can be brought to bear upon the works, and they hope and believe with every prospect of success.

The CHAIRMAN: As Mr. Spittall suggests, there will, in addition to the balance in hand, be money to be received by the sale of the ore on the 26th. On the part of the manager we have nothing to complain of; on the contrary, his energy and skill in the working of the mine have been great and untiring. Again, we have no reason to complain of the efficiency of the machinery; it has done its work in a most satisfactory manner. We had a good new boller, that belonged to the engine which we purchased in Cornwall, and this boiler Capt. Barkell states will effect a very considerable saving of coal. The directors and the manager are doing all they can to effect the economical working of the mine. There is one important fact referred to by Capt. Barkell in his report, and it has been taken up by the directors—that of the branch lode dipping one way, and the main lode, on the other side, dipping the other way; these are going to combine. They must meet below, and every practical miner will tell you that at their junction, both being alive, there will, most probably, be found a considerable deposit of ore. Taking all things into consideration, we have no reason to feel discouraged because the 40 fm. Investigation to the found of the manner of

#### MINING AND METALLURGICAL INDUSTRIES OF BAVARIA.

MINING AND METALLURGICAL INDUSTRIES or BAVARIA. In the province of Central Franconia railway engines and carriages machinery, and cast-iron are manufactured in large quantities, Although during the late war some of the largest of the Franconian establishments were only able (in consequence of the hindrances caused by the war) to continue operations by means of a sacrifice, others, on the other hand, derived considerable profit from the execution of orders for articles required for the use of the army. The newly established manufactory of agricultural machines and instruments at Rothenburg was not in very active operation; and, as a general rule, the small manufactories, which depend mainly on the demands of the local retail trade, suffered more from the events of 1866 than those on a larger scale. In the province of Upper Franconia considerable impulse has been given to the production of states at the quarries of Nordhalben and Ludwigstadt by the discovery of some fresh deposits of state rock, said to be of inferior quality even to that of the Melningen quarries. Several foreign companies have invested large sums in the opening and working of these new quarries, and the number of men now employed in these works is nearly double what it was a short time ago. This has been a great bono to the inhabitants of this hitherto remarkably poor district. Even during the war period the granite works continued in full operation. The general demand for granite increases from year to year, and if the quarries had the benefit of railway communication an era of great prosperity might be looked forward to. In view of this circumstance, and the great results that might be expected, it is hoped that the Government may be induced to construct a railway through the Fichtel Hills. The coal indices of Stockheim were in full activity; but the public derived little or no benefit therefrom, almost the whole produce of the mines being consumed by the ironworks which are connected with them. The general demand for coal in the neighbourhoo

from a distance.

In the Bavarian Palatinate the trade in stone for building and for paving and in mill-stones has increased considerably within the last few years. This stone is particularly well adapted for resisting the effects of water, and it was in consequence employed in building the new bridge across the Rhine at Ludwigsbafen. From the basaltic stone quarries near Heidenberg 500,000 paving stones were last year sent to Paris, and 50,000 more from the newly-opened quarry of Pfeffelbach, near Kusel, were sent to the same destination during the last four months of the year. At the iron smelting and manufacturing works at St. Ingbert, 550 men were employed last year; their wages averaging 11½d, each per day. There were at work 16 steam-engines, 4 steam-hammers, and 2 water-wheels, representing an aggregate force of 900 horse-power. The quantity of ore smelted at these works, and which consisted of native ore, red and brown iron-stone, and "minette," was about 44,100 English tone; and in addition thereto 10,033 tons of rough iron were worked up. The quantity of iron manufactured during the year was 32,445 tons of the value of 26,744. The three establishments of the same character at Hochstein, Eisenstadt, and Trippstadt produced 2188 tons of iron of the value of 22,4954, and machinery to the value of 40001; in these establishments 346 men, exclusive of miners, were employed at the average wages of 1s. 3d, per day. The machine factory at Zweibricken employed 150 workmen, and manufactured in the course of the year 29 steam-engines, representing 400 horse-power. The foundry of this establishment produced, during the same period, 975,600 lbs. weight of cast iron articles, of which 875,000 lbs. were need for machiners, each iron goods, &c., of the value of 13,5001. The works at Kalserslautern, with 35 men, at wages on an average of 1s. 1865 produced 130 machines, varying in price from 90.1, 11s. to 14.3s. each. There are several other minor establishment for the manufactory of machinery, cast-iron goods, &c., onp on a distance. In the Bavarian Palatinate the trade in stone for building and for

COMPACT PEAT.-The Marquis J. DE BARTHELATZ and M. DU-COMPACT PEAT.—The Marquis J. DE BARTHELATZ and M. DUBUISSON, of Paris, have recently taken out a patent for a system of endless screw malaxator, for the trituration of peat. The apparatus is composed of two endless screws, or of a single one with two or three fillets; the screws are each formed of a wrought or cast-iron shaft, on which are disposed helicoidally pallets having their edges cut so as to form a series of points. When two screws are employed they turn in the same direction, and are so disposed as to gear together in the same basin, which can be furnished with a double bottom; this basin, of a semi-cylindrical form, is covered with another half-cylinder of iron-plate or wood, which can be removed at will so as to allow the helices to be inspected. The pallets are either full or nair-cylinder or iron-plate or wood, which can be removed at will so as to allow the helices to be inspected. The pallets are either full or empty, according to the quality of turf to be treated, and they are more or less inclined, according as it is required to be more or less triturated. The screws, or malaxating helices, are set in motion by means of conical pulleys disposed in their upper portion, andon which the belt of the driving shaft passes. The waste steam from the cylinders of the engine is carried to the double bottom, so as to heat the neat raste and accelerate its drying. The melayster can be fed. the peat paste and accelerate its drying. The malaxator can be fed by means of screws, conical or not, dipping into the reservoir.

JOINT-STOCK COMPANIES.—The prospect of a revival in com-mercial affairs will naturally create a desire amongst the many who have mineral and other properties to offer to the public as investhave mineral and other properties to offer to the public as investments to possess as intimate an acquaintance as possible with the laws by which public companies are governed; attention may, therefore, be directed to the new edition of the admirable little handbook—"JOINT-STOCK COMPANIES: HOW TO FORM THEM"—by Mr. Thomas Tapping, barrister-at-law, which has just been issued for half-a-crown. The author's object has been to furnish not only an opitome of the law as it stands, but also to express it in popular and intelligible language; in this he has thoroughly succeeded, and as the whole of the information has been arranged in the form best calculated to meet the wants of the non-professional reader, it can scarcely fail to be favourably received. The book is published at the Mining Journal office, and will be forwarded, on receipt of the amount to those requiring it.

HOLLOWAY'S PILLS AND CINTMENT.—In angree or indelent sores.

HOLLOWAY'S PILLS AND OINTMENT.-In angry or indolent sores, and all skin diseases originating in impure or weak blood, or depraved secretion, the joint agency of Holloway's Pills and Olatment is perfectly irresistible. It is of little consequence how long these disorders may have lasted, or how sluggish, or obstinate, or malignant, they may seem, the daily application of the olatment to the parts affected, and a course of these matchiese pills, will most certainly effect a cure, not temporary and superficial, but complete and permanent. Both the olutments and pills are composed of rare balsams, unmixed with mercury or other deleterious substance. They are, accordingly, as mild and safe as they are powerful and efficacious.

#### Mining Correspondenge.

#### BRITISH MINES.

BRITISH MINES.

ABRAHAM CONSOLS.—John Vivian, March 25; No. 2 shaft, sinking on course of the lode under the 17, is down 3½ fms.; lode 2 ft. wide, producing tin, but not to value, and the ground still hard; the water has increased, so that we cannot sink any more without the aid of pump-lifts, which we have brought on the mines, and hope to get ready by the end of the week. We have one pare of tributers working in the back of the 17, west of shaft.

BEDFORD UNITED.—J. Phillips, March 25: The lode in the shaft is worth from 3 to 4 tons of ore per fathom, or about 7 tons for the length of the shaft. We are driving by the side of the lode in the 90 and 75 fathom levels east. The pitches throughout the mine are looking much the same as for some time past.

BEDDLAUR.—H. R. Harvey, March 25: Jones's pitch, in the back of the 7, is still producing 15 cwts. of ore per fathom. Leigh's pitch, in the same level, is yielding 5 cwts. of ore per fm. Hughes's stope, in the 77 fm. level, is yielding some good lumps of ore. There is no alteration to report in the other parts of the mine.

we are driving by the able of the lode in the 90 and 75 fathom leveis east. The pitches throughout the mine are ioxing month the same as for some time past, is still producing 16 cwts. of ore per fathom. Leight's pith, in the same level, is still producing 16 cwts. of ore per fathom. Leight's pith, in the same level, is still producing 16 cwts. of ore per fathom. Leight's pith, in the same level, is jelding a cwts. of ore per fathom. Leight's pith, in the same level, is jelding a cwts. of ore per fathom. Leight's pith, in the same level, is jelding a cwts. Or ore per fathom. Leight's pith, in the same level, is jelding a cwts. Or ore per fathom. Leight's pith, in the same level, is jelding a cwts. Or ore per fathom and the leight of the pith of the pit

28 west is 2 ft. wide, worth 4l. per fathom. The lode in No. 2 stope, in back of this level, is 2 ft. wide, worth 4l. per fathom. The lode in the 15, west of rise, is 2 feet wide, worth 4l. per fathom. There is no other change to notice in any of the irribute pitches.

(UDDBA.—F. Puckey, A. Cundy, March 24: In the rise in the back of the 14g, west of Walker's shaft, under the lode, the ground at the present time is rather spare for progress. In cutting out the lode in the 14g, east of the cross-course, the tin part of the lode is 6 feet wide, but not quite so good for tin as when last reported, now worth 15l, per fathom. In the 130 west we are still driving in the killas by the side of the lode; the stratum of ground in this end is of a very congenial character for producing tin. The former stopes in the back of the 130 we have now set to work on tribute—one pitch at 11s. 11 l., the other at 12s. we have now set to work on tribute—one pitch at 11s. 11 l., the other at 12s in 11d., and to be pailed at the rate of 14l. per ton. In the 100, driving west of Walker's shaft, the lode is 4 feet wide, and of a very promising character, composed of peach, tron, and tin, and worth for tin 8l, per fathom. In the western stopes in the back of this level the tin part of the lode is 9 feet wide, and worth 20l, per fathom for that width. The lode in the castern stope in the back of the same level is 10 feet wide, and worth 15l, per fathom for that width. In the 85 fathom level cross-ceut, driving north, we have not yet intersected the north lode; the ground in the end is favourable for progress, driving at 60s.

EAST BOTTLE HILL.—J. Eddy, March 2s: We are still driving east of cross-ceut in the 12 fm. level on north or copper lode. The lode in the present end is about 3½ feet wide, and of a very promising character, and producing both tin and copper. In about 5 fathoms further driving I expect to meet with the large cross-course, cast of which we may expect to meet with good results. I may just say this cross-course is the sa

No. 3, or south lode, is about 18 Inches wide, and although we are now down only a fathoms from the surface the lode produces tin, and promise to make good in depth.

EAST DARREN.—March 24: Taylor's Shaft: In the 116 east the lode is 1½ yard wide, not looking quite so well as it was, now yielding 1½ ton per fathom. In the 104 east the lode is about 2 yards wide, producing 1½ ton of ore fathom. In the 22 east the lode is large, containing a little ore, bus not to yalue. In the 92 east to boundary, the lode is 2 feet wide, producing stones of ore at times, but not to value. In the 80 east the lode is 4 feet wide, producing saving work for dressing. In the 68 east the lode is 4 feet wide, producing saving work for dressing. In the 68 east the lode is from 3 to 4 feet wide, containing small strings of ores at times, but not to value. The new shaft at Blaenewm is being sunk by nine men. The cross-cut north at New Pool is without any change; the ground continues hard for exploring. There are six pitches at work, producing on an average 28 ewts. of lead ore per fathom. We have sampled to-day 75 tons of lead ores.

EAST GUNNISLAKE.—J. Bray, March 26: The lode in the winze sinking under the bottom of the 46 fm. level is 5 ft. wide, but producing nothing to value. The stope in the bottom of the same level is not looking so well, producing 1 ton of ore per fm. No change in the 36 cross-cut south. The lode in the shallow adit is still very large; it is composed of spar, gossan, prian, and mundic, disseminated with ore throughout—as splendid a looking lode as can be seen. The eard on the Impham bode is poor at present.

EAST PROVIDENCE.—J. Nanearrow, W. White, March 24: There is no alteration in the shaft. The lode in the 106 east looks more promising. The carbona in the 94 east is improving, and yielding good work for tin. The winse below the 82 is being sunk for the present by the side of the lode, so that no alteration can be reported. The 70 east is likely to improve shortly. The 50 east is opening tribute ground. The p

below the 82 is being sunk for the present by the side of the lode, as that no eateration can be reported. The 70 east is likely to improve shortly. The 50 east is opening tribute ground. The pitches are just as they were when last reported on.

EAST ROSEWARNE.—C. Glasson, March 26: In King's shaft, sinking below the 105, the lode is 12 in. wide, worth 101. per fathom. In the 105, east of shaft, the lode is 10 in. wide, producing stones of copper ore. In the 105, cast of shaft, the lode is 10 in. wide, unproductive at present, but I think we shall have change again very shortly for the better. In the 95, west of shaft, the lode is 10 in. wide, worth 81, per fathom. In the 95, east of shaft, the lode is 12 in. wide, worth 51, per fathom.

EAST SNAEFELL.—W. H. Rowe, March 24: There is not much change in the shaft since last week's report. Having tapped a heavy feed of water in the 15 sump, I think it prudent to suspend it for the present, until the shaft and next level have more thoroughly drained the ground. Our expenses will, therefore, be reduced, and confined, for a time at least, almost exclusively to sinking the

the shaft since last week's report. Having tapped a heavy feed of water in the 15 sump. I think it prudent to suspend it for the present, until the shaft and next level have more thoroughly drained the ground. Our expenses will, therefore, he reduced, and confined, for a time at least, almost exclusively to sinking the shaft.

EAST WHEAL GRENVILLE.—G. R. Odgers, W. Bennetts, March 25: The lode in the 110, east from the engine-shaft, is 18 in, wide, producing good black ore and tin, and the ground has very considerably eased, so much so that we can drive it for 4t, per fm., instead of \$t, 10s, which we look upon as a good feature. The lode in the 110 west is 2½ fc. wide, producing ore and tin, worth 7t per fathom. The stopes about his level are looking much the samuer, the per fathom. The stopes about his level are looking much the samuer, is 2½ ft. the lode in the 10 west is 2½ ft. with the per fm. The stope in the low of the locking much the samuer is 2½ ft. with the locking much the samuer is 2½ ft. with the locking much the samuer is 2½ ft. with the locking much the samuer is 2½ ft. with the locking much is a very promising lode indeed, and which speaks well for the 110 coming under. EAST WHEAL ROSELL.—W. Richards, March 21: 1 had hoped we should have been able to resume driving cast of the cross-cut in the 130 by this time, 45 is worth 151. per fm.—South Lode: The wines ainking below the 45 is worth from 80, to 901, per fm. The stope below the 45 is worth 304, per fm.

EAST WHEAL ROSELL—W. Richards, March 21: 1 had hoped we should have been able to resume driving cast of the cross-cut in the 130 by this time, but there being a small run in the level has provented us. I hope we shall get through the run in the course of a few days.

—W. Richards, March 25: The lode in the stope in back of the 77 yields 41. worth of ore per fathom. The north lode in the 83 cross-cut nor crush in favourable for progress. The ground her love the special productive for considering the stope of the stope in the stope in the cono

back of the 50, both cast, and west of cross-out, yielding from 3 to 4 tons of ore per fathom. The stopes in the back of the 46 and 36 fm. levels are without change, yielding from 3 to 4 tons of ore per fathom.

GAWTON COPPER.—6, Rowe, March 26: The lode in the 60 fm. level end has very much improved; a fine lode, 3 ft. wide, worth 6 tons of good quality ore per fathom. The lode in the 70 end west is also improving, and worth 3 tons of the main part of the lode in the 75 fm. level cross-out, and are now driving west on it, producing good stones of ore; there are two or three other branches, which will drop into this in a short distance driving, when we look for an improvement. The lode in the winze in the bottom of the 65, coming down on this level, continues to look very well; we are pushing on to communicate here as the back of the 65, which are looking well.—New Lode: In the 78 west there are good stones of ore. The 65 cast is improved, worth 10, per fathom. The 65 west is driving by the side of the lode. The stopes in the back of this level are worth 11.01, per fathom. No change in the 52 west.—South Lode: The 65 cast is morth 10 fm. Per fathom; and the 65 west is worth 12, per fathom. The stope in the back of this level are worth 10 fm. Per fathom; and the 65 west is worth 12, per fathom; this is a fine-looking well are the back of this level are worth 15 back of this level as carly as possible.

GOTHIC.—J. Williams, March 25: The managing director reports that, in company with Capta, 8. Trevethan, A. Williams, and John Williams, he visited the workings underground, all of which were thoroughly inspected and dialled. Since the board appointed another agent the workings are going on satisfactions the board appointed another agent the workings are going on satisfactions and the stream of the stream of the stream of the working and the stream of the working is suspended for the time; the stream of the working are going on satisfactions and the stream of the stream of the stream of the stream of the stream of

producing stones of ore. In the winzo sinking below the 140, and on the tin lode, the lode is 3 feet wide, worth 101, por fathom for tin. In the 125, east of Noci's shaft, the lode is producing 1½ ton of ore per fm. We sampled to-day 130 tons of copper ore.

GREAT WHEAL BADDERN.—R. Pryor, H. Tregoning, March 21: We have set the following bargains to-day:—The 75 cross-cut to drive south of Hill Brothers engine-shaft, by six men, at 171, per fathom; the end has strong indications of being nearly through the great civan course, which has been driven on for the last 36 fathoms, underlies the tin lode which has so long been looked for, in consequence of the elvan course having ande so wide at this point. The 75 to drive west from the cross-cut, by six men, at 31, per fathom, in a lode 27, wide, composed of mundic, flookan, and spar, with spots of silver-lead, and which is still embedded in a fine mineralised elvan; the end is letting out a quantity of water, insomuch that we believe it is near the great cross-course. GUNNISLAKE (clitters).—W. Skewis, J. Seccombe, March 24: The lode in the 23 west is about 27t, wide, composed of quartz, grey and yellow copper ore, and has improved since last report from 15t, to 26t, per fathom. The lode in the 12 west still continues poor, and we expect it will be so until the end is driven through the cross-course. The lode in the winze sinking below this level is worth 25t, per fathom, with every prospect of its continuance. The lode in the stope in back of this level is worth 77. Per fathom. The skip-road will be completed from the 23 before next report, after which we hope to commence sinking the shaft below the 23 fine. level.

GWYDYR PARK.—W. Snyth, March 24: The lode in Gwyn Lillion deep adit is keeping a more westerly course, which is in the direction of the lode shaft; therefore, I left four men to continue on the end for a few days longer, to see if there will be any change for the better. The other two men are engaged making preparations for sinking the old shaft. In the e

LOYELL CONSOLS.—W. Chappell, March 26: We are making good progress in sinking the new shaft below adit; the lode in the western end of the shaft is 2 ft. wide, producing rich stones of tin; the main part of the iode is hove south, owing to the indicence of the main cross-course, which crosses the shaft. All other points of operation the same as last reported. The machinery and pitwork of the producing rich stones of the state of the producing rich stones of the state of the product of the state of the product of the state will yield 2 tons of copper ore per fathom; the 124 west, 2 tons; the 190 east will yield 2 tons of copper ore per fathom; the 124 west, 2 tons; the 150 east, strong the 40 west, a tons; the 150 east, saving work.—Rosedown Lode: The 50 west, 2 tons; the 40 west, 5 tons; the 40 east, 5 tons. We have cleared up and secured Faw-cett's shaft? I'ms, below the 70.

MAUDLIN.—John Tregay, March 21: There is no change here since my last. The lode in the deep add level will produce good stones of grey copper ore.

MINERGE OF SOME, W. T. Harris, March 26: Low's Shaft: The sinking below able for progress. The lode in the 40, north and south, is 35t, wide, being unling for lead ore.—Williams's Shaft: The lode in the 40 north is worth 10 ewts. of lead per fathom. All other points as last reported.

NETHER HEARTH.—Wm. Vlpond, March 23: We have nothing new here yet, except that we can get to the drift forehead in the high vein going towards Montebells shaft; it is driven about 17 ms. In that direction. The bottom of the limestone seems our best chance in this vein.

NEW EAST RUSSELL.—J. Girrof, March 23: The following was our setting on Saturday last:—To cross—out the lode in the 20 west, by six men, stent 6 feet, or the state of the state o

on Saturday last at a low tribute. We shall sample to-morrow 177 tons (computed) of good quality ore.

NORTH RETALLACK.—G. R. Odgers, March 21: I cannot see any alteration in the 10, north of No. 1 boundary shaft, since my advise of Wednesday. I am sorry to observe that the No. 1 boundary shaft is not draining so fast as I could have wished, which I cannot account for, seeing so much water flowing from the 20 at Grat Retallack.

NORTH RETALLACK.—G. R. Odgers, J. Harris, March 23: The lode in the 10 fm. level, north from No. 1 boundary shaft, is without any change sluce last recorded on.

sorry to observe that the No. I boundary shaft is not draining so fast as I could have wished, which I cannot account for, seeing so much water flowing from the 20 at Great Retallack.

NORTH RETALLACK.—G. R. Odgers, J. Harris, March 23: The lode in the 10 fm. level, north from No. I boundary shaft, is without any change since last reported on.

On G. GUNISLAKE.—H. Rickard, March 25: Since last week's report we have made rapid progress in clearing and forking Michael's engine-shaft. We have made rapid progress in clearing and forking Michael's engine-shaft. We have made rapid progress in clearing and forking Michael's engine-shaft. We have made rapid progress in clearing and forking Michael's engine-shaft. We have made rapid progress in clearing and forking Michael's engine-shaft. We have made rapid by the state of the work will admit in clearing the St west, on the south or green lode. The 71 is getting through the run occarding the state of the state of the work will admit in clearing the St west, on the south or green lode. The 71 is getting through the run occarding the state of the state o

the 45 cast, the south part of the lode, which we are carrying, is worth 251, per fathom. In the 45, both cast and west, we are driving by the side of the lode. We expect to sample to-morrow 140 tons.

PRINCESS OF WALES.—G. Riekard, March 26: The ground in the north adit level cross-cut, driving towards Prince of Wales main lode, is dessiminated with mundle, spotted with black copper ore, which shows the ground is congenial for the production of mineral; our progress in driving at this point is about 8 ft. per week, and if the ground should continue favourable we hope to intersect the lode about three months from this date. The building of the smiths and carpeners' shops is completed, and the carpenters are busily engaged in preparing the woodwork for the roof, doors, &c.

REDMOOR.—T. Taylor, March 26: The ground in the south cross-cut is good for driving and letting out a deal of water. We have cut a small branch containing copper and mundle. We have opened east on a lode we cut some time ago in the north cross-cut; at present it is mixed up with Rillas and flookas, but is yielding good stones of copper. A few fathoms will prove if this is one of the Florence lodes.

ROSE AND CHIVERTON.—J. Evans, March 25: In driving on the new psychological content of the con

is improving, and is now producing some good read, when every appearance of further improvement.

SORTRIDGE CONSOLS.—Robert Jackson, March 26: Hitchina's engine-shaft is down 4½ fms. below the 140; the ground is favourable for sinking, and congenial for mineral. In the 140, east of the engine-shaft, the lode is 2 ft. wide, yielding good stones of ore, and looking very promising for further improvement. There is no change to notice in any other part of the mine.

SOUTH CONDUBROW.—J. Vivian and Son, W. Williams, March 21: King's shaft is now 2½ fms. under the 82 fm. level. There are two parts of the lode is the shaft underlying south, the main part being still altogether to the south of

the shaft, and underlying north, so that in sinking some 3 or 4 fms. further we think we shall reach the junction of the different branches with the lode, when it is not improbable we may have an improvement. In the 82, east of King's shaft, the lode is 2½ feet wide, composed of ferruginous flookan and friable quartz, with a little native copper and traces of black copper ore. In the same level west the lode is of much the same character. In the 71 east the lode is principally flookan. In the 71 fm. level cross-cut south, west of King's shaft, we have intersected a north part of the lode, which is small, but containing a little copper ore; we are continuing the cross-cut towards the south part of the lode. In the 61 fm. level cross-cut of King's shaft, we have not yet intersected the middle lode, but expect to do so before our next setting-day. In the 1 fm the lode is 2½ ft. wide, composed of friable quartz and prian—a favourable-looking lode. The tin stops in the back of the 61 west the lode is 2½ ft. wide, composed of the 61 west two continue to the value of 10 days shaft, we have had decomposed ground to contend with, rendering its odifficult to advance that we have en obliged to drive south to get into firmer ground. In the 51 fm. level, west of Vivian's shaft, the lode is 5 ft. wide, composed of chlorie and quartz, with occasional lumps of good copper ore, and is altogether a very promising-looking lode for copper. We are rising in a small bunch of copper ore in the back of the 51 fm. level, east of Vivian's shaft. We have reamed the driving of the 10 and 20 fm. levels east, on the middle lode, with two men in each, and are opening through tin ground of paying quality. We have to-day let four tribute pitches on this lode at the following tributes:—5s, 8s, 15s., and 10s. in 11.

SOUTH DARREN, J. Boundy, March 21: We have no particular change to notice in the 70 west since last reported, worth for lead and copper ore 23 content in this end. The stopes throughout themine continue to yield their usual quantity

consequently there is no change in the mine continue to yield their usual quantity of ore. No other change in the mine to notice. The weather is favourable for surface work, and we are making fair progress towards another sampling.

SOUTH HERODSFOOT.—W. Goldsworthy, March 26: The engine-shaft is in regular course of sinking below the 86. The ground is at present harder than it has been, therefore our progress is not so good as we could wish. The engine and pitwork are in good order, and working well.

SOUTH WHEAL GRENVILLE.—G. R. Odgers, W. Bennetts, March 21: We are pushing down the engine-shaft as vigorously as possible, but we cannot see any alteration calling for remark since our advise for the meeting. March 24: Eastern Mine: The ground in Phillips's engine-shaft, is inking below the 30, has undergone a very favourable change, and the shaft is now being set to sink, at 81. per fathom. No other change in this part of the mine.—Western Mine, Savealif's Lodie: The lode in the engine-shaft, sinking below the 100, is worth 121. per fathom, with a good appearance. The lode in the 100, cast of shaft, is worth 51. per fathom. The lode in the 90, driving east of shaft, is worth 51. per fathom. The lode in the 90, driving east of shaft, is worth 51. per fathom.—Owl Lode: The lode in the 42, and west of shaft, is worth 51. per fathom.—Owl Lode: The lode in the 42, and west of shaft, is worth 51. per fathom.—Owl Lode: The lode in the 42, and west of shaft, is worth 51. per fathom.—Owl Lode: The lode in the 42, and the 100 north is worth 52. Per fathom. All other places are without change since our last.

TAMAR VALLEY.—J. Goldsworthy, March 26: In the 20, south of Saveall's lode, is worth 41. per fathom. All other places are without change since our last.

TAMAR VALLEY.—J. Goldsworthy, March 26: In the 10, south of shaft, the lode is 2 ft. wide, composed of fluor-spar, quartz, prian, mundic, and producing good silver-lead ore, and promising to improve. Our prospects in the 10 and 20 fm. level ends at this time is very

allow depth. ERFIN.—March 24: The lode in the stope over the adit level, fathoms east of engine-shaft, is 3 ft. wide, producing 10 cwts. of lead ore fathom. The stope over ditto, 100 fathoms east of the shaft, is suspended for present, being rather poor. The stope over the same level, 15 fathoms eagine-shaft, is in a lode 5 feet wide, and will yield 9 cwts. of lead ore per shom. We have 24 tons of ore now clean, and shall be able to make it about tons in about a fortnight.

the present, being rather poor. The stope over the same level, 15 fathoms east of engine-shaft, is in a lode 5 feet wide, and will yield 9 cwts, of lead ore perfathom. We have 24 tons of ore now clean, and shall be able to make it about 30 tons in about a fortnight.

WEST GODOLPHIN.—Jos. Vivian and Son, J. Pope, jun., March 24: Hope Lode: We have drawn the water out of Paull's shaft to the back of the 25, where there is a pile of stuff ledging, when we shall commence clearing and driving the 25 as soon as practicable. We have cut through the lode in the 15, cast of the cross lode, and find that it is looking much better than it did in the 8, being 2 ft. wide, a fine, strong-looking lode, and yielding some very good stones of the altogether tinny work. The stopes in the back of this level are the same as last reported. The lode in the new shaft sinking from surface, now down about 5½ fathoms, is 9 fin. wide, a very promising lode; a good stone of th was broken from it to-day. The other parts are without alteration.

WEST MARIA AND FORTESCUE CONSOLS.—Wm. Skewis, James Donnal, March 24: Capel Tor Lode: In the 60 east no lode has been taken down for this month, then strong mundic and copper ore, but not sufficient of the latter to value. In the 20, east of new shaft, the lode in the end is 1 ft. wide, worth for copper and mundic 32, per fm. The lode in the parts are without sufficient of the latter to value. In the 20, east of new shaft, the lode in the end is 1 ft. wide, worth for copper and mundic 32, per fm. The lode in the parts in the 10 last shaft in the 10 last of the lode will be taken down in time for the next fortnightly report. The lode in the winze slaking below this level is 4 ft. wide, worth 61, los, per fm., and to-day it seems to show signs of still further improvement. The lode in the back of this level is worth 81, per fm. The lode in the stope in the bottom of this level is worth 17, per fm. In No. 2 no lode has been taken down in the

south engine-snart completed to the acit level, and the cutting of a simil plat in the said level in progress by the end of this week, for the convenience of sinking below.

WEST ST. IVES.—Jas. Evans, March 23: We have cut through the cross-course, and are now cross-cutting for the lode. The stratum is much softer here than to the east of the cross-course, and it is very congenial for tin.

WEST TOLGUS.—March 25: We have cut into the lode at the 95 better than 2 ft., where his looking well for copper ore; we should have done more, but for a let with the engine, which threw in the water for two cores; the lode is very wet, and rather troublesome for cutting through; by next week we hope to be able to state its value. In the 85 west the lode is 3 ft. wide, consisting of spar, and producing occasional stones of ore—a kindly level. We have not the full size of the lode in what we are carrying in the 85, but at present the part of the lode is yielding 2½ tons of ore per fathom. The stopes over the back of the 85 are five in number, four of which are producing 3½ to 4 tons of ore per fathom and the producing 2 planting chiefly of spar, and letting out a quantity of water. In the rise over the back of the 75 we are rising by the side of the lode. The stope over the back of the 53 ft. wide, producing 2 tons of ore per fathom. In the 65 west the lode is 3 ft. wide, producing 2 tons of ore per fathom. The lode in the 50 fm. level west is 2 ft. wide, producing 2 tons of ore per fathom. The lode in the 50 fm. level west is 2 ft. wide, producing 2 tons of ore per fathom. The lode in the 50 fm. level west in Richard's shaft below the 2; the lode is 3 ft. wide, consisting of blende, spar, and stones of good ore, not looking so well for ore as when last taken down, but is a very promising-looking lode; we have but very little water in the shaft thus far.

WEST WHEAL KITTY.—W. Vivian, March 23: In the 8topes in the bottom

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ft

spar, and stones of good ore, not looking so well for ore as when last taken down, but is a very promising-looking lode; we have but very little water in the shaft thus far.

WEST WHEAL KITTY.—W. Vivian, March 23: In the stopes in the bottom of middle adit level the lode is 10 feet wide, worth about 25t, per ton for tin. The stopes in the back of middle adit are improving; we are now getting over where we have driven through a good lode. We have begun to burn our tin; it will take us about a fortnight to get it about. I purpose to have the sale on Wednesday, April 8. We have 5 tone of tin on the mine, but we have not stamping power to stamp it as fast as we can break it. This season has been very dry, so we cannot get our tin about as I could wish.

WHEAL BULLER.—Francis Pryor, James Inch, J. Brown, March 24: Last Friday being our setting-day, we beg to hand you the following setting report:—The 92 to drive east of Stevens's shaft, on the south part of the lode, by four men, at 94. 10s, per fathom; the lode is worth fortin 15t, per fathom; the lode is unproductive. A stope under this level, by four men, at 6t, per fathom; the lode is worth 10t. Per fathom the lode is worth 10t. Per fathom for tin. No. 2 stope, in the back of this level, by sax men, at 7t. per fathom; the lode is worth 2t. per fathom for tin. The winze sunk under the 80 is communicated to the 92. We have set a stope in the east end of this winze to six men, at 6t, per fathom, the lode in which is worth 20t. per fathom. The 80 to drive west, by two men, at 81. per fathom for tin. The winze sunk under the 80 is communicated to the 92. We have set a stope in the east end of this winze to six men, at 6t, per fathom, the lode in which is worth 20t. per fathom. The 80 to drive west, by two men, at 81. per fathom. A winze to sink under this level, by four men, at 11t. per fathom; the lode is producing stones of tin. The 80 to drive west of Hocking's cross-course, by four men, at 11t. per fathom; the lode is producing stones of tin. The 80 to drive west

The 50 to drive east of this cross-cut, at 61. per fathom; the lode is worth 61. per fathom. The 50 to drive west of Stevens's cross-course, by six men, at 71. per fathom; the lode is worth for copper 201. per fathom. The 50 to drive east of this cross-course, by four men, at 61. per fathom. The 10de is worth for copper 91. per fathom. Our pitches throughout the mine are looking just as usual. We shall be ready with a batch of the on Saturday next.

WHEAL CREBOR.—J. Gifford, March 23: The following was our setting on Saturday:—The 120 west to drive by the side of the lode by six men, stent the month, at 51. per fathom. The 120 east to drive by six men, stent 2 ms., at 52. per fathom; the lode is 2 ft. wide, of capel and quartz, with spots of mundle intermixed. The 98 fathom level cross-cut by four men, stent 3 ms., at 51. per fathom. Davis's pitch, in back of the 81 ms., at 51. ger fathos. del. per produce. A pitch in back of the 84 ms. level as by two men, for two months, at 12s. 6d. in 11. and 12s. 6d. per produce. A pitch in back of the 84 east by two men, for two months, at 9. in 11., and 12s. 6d. per produce.

intermixed. The 96 fatnom revet cross-case by tour men, for two months, at 128, 60. In L., and 128. 6d. per produce. A pitch in back of the 84 fm. level cast 128, 60. In L., and 128. 6d. per produce. A pitch in back of the 84 fm. level cast in back of the 84 cast by two men, for two months, at 98. In Ll., and 128. 6d. per produce.

WHEAL GRENVILLE.—G. R. Odgers, W. Bennetts, March 21: The lode in the 129 west is nearly 3 ft. wide, producing good work for tin. On the south side of the level we have a rich dropper of tin; and we, therefore, think when this falls in with the lode that a bunch of tin will be the result. There is no the side of the level we have a rich dropper of tin; and we, therefore, think when this falls in with the lode that a bunch of tin will be the result. There is no the thing of the side of the 180 seeds in the 180 seeds in the 180 seeds in the 180 seeds in which when this falls in with the lode that a bunch of tin will do so next week, when you shall be fully advised as to value, &c. The lode in the 90 west is worth fully 12. per fathom. The lode in the 80 west is worth fully 160, per fathom. We like the prospects of our western ground very much.

WHEAL GRENVILLE.—G. R. Odgers, W. Bennetts, March 26: In the north side, in the 100 west, we see some splendid tin, but not having assayed any since the side of the side of

lode next week.

WHEAL RUSSELL.—J. Bray, March 25: The lode to the east of the crosscourse in the Impham adit level is 3 ft. wide, producing a little copper ore. We
are daily expecting an improvement. We shall to day send 40 tons of good ore
to Morweiham for sampling on Friday next.

MINING, METALS, AND MINERALS-PATENT MATTERS. BY MICHAEL HENRY.

Patent Agent and Adviser, Memb. Soc. Arts, Assoc. Soc. Eng.

BY MICHAEL HENRY,
Patent Agent and Advisor, Memb. Soc. Arts, Assoc. Soc. Eng.

Mr. WILLIAM BETTS, of City-road, has specified another invention relating to a manufacture which has constituted so fruitful a subject of litigation—viz., metallic capsules for bottles and other like receptacles. In carrying out this invention, the patentee produces the name of the firm with or without a special trade-mark or ornamentation upon one or more parts of the body or outside of the cylindrical or conical part of the capsule itself. This may be accomplished by taking type or a printing block made the reverse to ordinary type, and applying gold size or other suitable adhesive preparation to such printing surface. A sheet of foil is then pressed thereon, and from this sheet the impression is transferred to the side of the capsule, by rubbing or pressing the foil, the flexibility or pliability of the foil facilitating the transferring of the size to the side or curved surface of the capsule, Gold or other metallic leaf or powder or powdered pigment is then applied to the capsule, when the name or device will appear plainly thereon. These names and trade-marks may be produced, if desired, in two or more colours, by successive printings, whereby the effect of multi coloured trade-marks will be obtained.

Mr. JOHN HEATON, of Langley Mill, Derby, obtained a patent relating to blast-furnaces. The object of this improvement is to avoid the necessity for the use of blowing machinery to obtain the required blast in blast-furnaces with, or continuing it into, a chimney of considerable heighth, adapted to the draft required, openings being provided for the introduction of the charges. The tayers receive their supply from the external air, in place of from blowers.

Mr. CHARLES DENTON ABEL, of Southampton-buildings, has obtained provisional protection for removing sulphur, phosphorus, and other impurities from iron, steel, and other metals. This is accomplished by what is known as the Bessemer or pneumant process, by introducing into the

UTILISING STEEL SLAG.—With a view to utilise the slag made in the conversion of molten iron into steel when salts, which yield oxygen on the application of heat, are the agents employed, and also to utilise another product obtained during treatment, Mr. J. HARGREAVES, of Appleton-in-Widnes, Lancaster, has patented a series of interesting chemical processes. He explains that the steel slag consists principally of certain salts of sodium and potassium, with oxides of iron and manganese, and when chromate of soda or pottassa are the oxydising salts used; there is also oxide of chromium present. The composition of the other product is similar, but contains more silica, oxide of iron, and exide of manganese. He utilises these products in several ways. Firstly, in the manufacture of glass, by the addition of silica, lime, and oxides of lead and sine, or other substance tending to render the glass insoluable in water and unaffected by atmospheric influences. Secondly, by dissolving the soluable portions of the steel slag or steel cindier by lixiviation or boiling in water. In this case he prefers to allow the insoluable impurities in suspension to settle to the bottom, and then drain off the clear solution and concentrate it to dryness, adding nitrate of soda, nitrate of pottassa, or other oxydising salt, tooxydise any sulphide of sodium or sulphide of pottassium that may be present. The material thus produced he uses as a detergent in washing, and also for other purposes to which alkalies are applied. Thirdly, he obtains carbonate of soda and carbonate of pottassa, or blearbonate of soda or potassa, by passing carbonic acid through the solution obtained under the second head; or he adds blearbonate of soda or becarbonate of potassa to precipitate the silica and other impurities present; the then concentrates to dryness and obtains soda ash; and if a salt of potassa was used, he obtains crysials of soda or makes blearbonate of soda in the ordinary manner, or he concentrates to dryness and obtains shoatins the ordinary

tion obtained from steel slag or steel cinder with caustic or quicklime and adding nitrate of soda or nitrate of potassa or other oxydising salt to the solution to oxydise any sulphide of sodium or sulphide of potassum that may be present in the caustic solution.

LIFE IN THE MINING COUNTIES.—In the year ending Sept. 29, 1867, the number of persons proceeded against for drunken and disorderly conduct in Derbyshire was 635; in Nottinghamshire with Retford, 656; in Staffordshire, with Stafford and Tamworth, 3100; in Warwickshire, 341; and in Worcestershire, with Evesham and Dudley, 477. These figures represented the following proportions per 1000 of the population in each county:—Derbyshire, 2·33; Nottinghamshire, 3·15; Staffordshire, 4·91; Warwickshire, 1·76; and Worcestershire, 1·91. The proportion of drunkards per 1000 of the population convicted in each county was as annexed:—Derbyshire, 2·04; Nottinghamshire, 1·96; Staffordshire, 3·69; Warwickshire, 1·62; and Worcestershire, 1·16. The number of persons convicted to each licensed beer-house or public-house was in Derbyshire, 0·31; in Nottinghamshire, 0·38; in Staffordshire, 0·51; in Warwickshire, 0·26; and in Worcestershire, 0·17. The number of licensed beer or public-houses to each 1000 of the population was in Derbyshire, 6·57; in Nottinghamshire, 5·02; in Staffordshire, 7·21; in Warwickshire, 6·22; and hamshire, 5.02; in Staffordshire, 7.21; in Warwickshire, 6.22; and Worcestershire, 6.63.

#### PRICES OF MATERIALS.

As charged at NORTH L	EVANT	M	INE di	aring	the follo	wing	me	nt	hs	:
Description.	Aug.		Sept.		Oct.		No	v.		Dec.
4-inch patent nailsper cwt.	-		208.0	d	-		100	-		-
5-inch ditto "	-		19 0		**		704	-		1000
6 inch ditto per 1000	100000		4 8		-		-	-		
Leather per lb.	the same		-		Carbonia .		18.		1	-
Norway timber per foot	0s. 80	1	-		0s. 9d.		-			0s. 9d.
Red pine ditto "	1 1		-		-		-	-		1 2
Main Colliery coals per ton	12 0		12 3		12s3d-12s	6d	12	6		12 9
Mine candles*per dozen	5 8		5 8		Manage .		5	8		-
Tallow*per cwt.			49 6		enna.		49	6		Comp.
Grease*	14 0		-		Orași.			-		diese.
Engine oil*per gallon	-		-		38, 9d.		-	****		Species .
Rope*per coll			gateria.		44 0		_			_
Hemp*per lb.	- Chronia		0 5	14	_			_		orming
White varns	description		0 5	Va	-		-	_		51/4
	livere	d f			lage.	•••			••	/4

#### [ADVERTISEMENTS.]

From Messrs. WARD and JACKMAN:-It will, doubtless, be recorded From Messrs, WARD and JACKMAN:—It will, doubtless, be recorded by other writers that the "market" has been dull, and little business doing, which is t'e case; but it is our pleasing task to state that a steady demand has existed for good home dividend and also for some progressive mines by the public for investment, and a very large amount of business has been "privately" negociated during the week. The shares principally dealt in have been PRINCE OF WALES, CHIVERTON MOOR, WHEALGRENVILLE SOUTH HEROSPOOT, WEST SETON, CHIVERTON WALLEY, WEST FRANCES, ST. JOHN DEL REY, PROVIDENCE, CHIVERTON, and a few others. SOUTH HEROSPOOT, in 3395 shares, upon which 21. 17s, per share has been paid, is now attracting considerable attention. The mine adjoins the celebrated Herodsfoot on the same lodges. The shaft is sinking in a fine channel of ground, of precisely the same character as in Herodsfoot Mine, and will be down to the 100 fm. level in about two months, when a short cross-cut will intersect the lode. From the fact that all the levels driving south from Herodsfoot Mine are productive, there is every probability of a good lode being met with in South Herodsfoot, and in which case the shares will have a considerable rise.

WHEAL GRENYILLE is looking well in the western part of the mine, where

being met with in South Herodsfoot, and in which case the shares will have a considerable rise.

WHEAL GRENVILLE is looking well in the western part of the mine, where there are six levels driving, four of which are of good value; and in the 120 a "dropper" has just been met with 6 in. wide, a quarter part of which is rich tin. This "dropper" will fall into the lode in about 6 ft. further driving, and at which point a discovery is looked for. The prospects of the mine are exceedingly good, and there are strong grounds for believing that the mine will soon be making profits.—Prince of Walles: In the 55 east the lode maintains its former value—80t, per fathom; and the 55 west, 30t, per fathom. Three stopes in the back of the 55 are worth 75t, per fathom; and the winze in the 4- east is worth 30t, per fathom. They have a very kindly lode in the 45 west, and a good course of ore is hourly expected to be met with in the 85.—Sr. Joint Dell Rey: The reports received from Morro Velho respecting these mines are much more encouraging. We, therefore, hope our friends will by no means be led to dispose of their shares without due consideration, but patiently scall, when we feel quite assured they will do well. The highly dangerous vapour which existed in the mines, and which seriously impeded examination, has now almost entirely disappeared. Non-registered shareholders who have not seen the reports can do so at our offices.

Great WHEAL FORTUNE.—This once celebrated mine is now in 1727 shares, some of the shares having been restored to several adventurers who had relinquished. It is expected the 140 will be drained in a few days, when driving cast and west will be immediately resumed. They have a large lode, at present worth 8t, per fm., in the winze shaking below the 192. The stope in the back of this level, east of winze, is worth 18t, per fm.; and the lode in the back of the same, west of winze, is worth 18t, per fm.; and the lode in the back of the same, west of winze, is worth 18t, per fm.; and the lode in the back of wheat Grenville is looking well in the western part of the mine, where

latest closing prices (Friday evening) will be found.

From Mr. R. EMERSON:—I remember periods of stagnation like the present, but I do not recollect a single instance in which such a stagnation has not been followed by a wild speculative mania, and there are not wanting indications just now which lead me to conclude that the time is not far distant when there will be a considerable rush for first-class securities. Mining property, which is undervalued by the ignorant, and decried by those who are constantly in the habit of recommending rotten securities, will, doubtless, take a more prominent position than I has done for some time past; and it is because of this conviction that I most strongly advise all my clients, everyone without exception, to increase their holdings, if shares can be obtained, in all sound mines, and to sell at once out of all those of a doubtful character. My long experience, extending over 30 years, justifies me in speaking with confidence on all mining properties. I most strongly recommend dividend mines of undoubted morit, which can be obtained at ridiculous prices; and there are also some progressive mines which will create much excitement before long, and which I shall be happy to indicate to those of my clients who may consult me upon the subject.

THE GOLD FIELDS OF NOVA SCOTIA.—The book already referred to as being in preparation, entitled—"A Practical Guide for Tourists, Miners, and Investors, and all persons interested in the Development of the Gold Fields of Nova Scotia," by A. HEATHERINGTON—has now been issued, and is an admirable compilation from all that is known of the gold resources of the colony. Mr. Heatherington gives an outline of the history of Nova Scotia, and of the discovery of gold in alluvium and in quartz; an account of the proclaimed, and other districts; reports by Government explorers, mining records, abstracts of mining laws, statistics, and indeed all the information that the reader is likely to require. By way of appendix, he furnishes a statistical chart for 1860-1866, the revised statutes of mines and minerals, a list of organised companies, &c. The work will be found extremely useful to visitors to the colony connected with gold mining, and is calculated to prove very beneficial to the colonyitself. Copies of the work can be had from our office, or will be forwarded on receipt THE GOLD FIELDS OF NOVA SCOTIA.—The book already referred of the work can be had from our office, or will be forwarded on receipt of 4s. 8d. in postage stamps.

THE MINERAL RESOURCES OF ITALY.—With regard to the road from Mount Cenis to Turin, Capt. Matthew Francis, in a letter dated Turin, March 19, says—"I looked at the great rocky screens about me before the night came on, and to me they seemed decidedly hard ground. The rocks stand up perpendicularly in most places like lodes, and they seemed very much interlaced with veins of spar, giving them a metal-bearing appearance. The rock seemed for the most part highly indurated clay-slate, and down towards the centreor core I am not surprised to hear that it is somewhat hard for boring, if it were not so my judgment of ground would go for very little. Towards the foot of the hill, under the mouth of the great tunnel, I observed mining operations for anthractic coal, showing that this mineral is older than the clay-slate. The rock further weak, in the meridian of Geneva, was tufa, of a great many beautiful shades of yellow, and the mountain feet were washed by blue lakes, and the scenory had all the beauties so often and well described as appertaining to Switzerland. Any communications addressed for a week to the Poste Restante, Turin, will be attended to OUICKSILVER MINES IN ITALY.—In Tuscany there are four mines

The Master of the Rolls has apppointed Mr. Edward Pullien, of Althallow-chambers, Lombard-street, official liquidator of the Southampton Imperial Hotel Company (Limited).

#### Projected New Companies.

Company.	Capital.		
Hartford Oil-Seed Crushing Company	£ 50,000	5,000	. £ 10
Hawkhurst Gas	2,000	400	
Brading Harbour, Oyster Fishery, and Bre	oding. 15,000		
Crown Mutual Advance	2,000 2400	. 2,000	
Dolgelly Market Hall and Public Rooms	2,000		
Australian United Gold Mining	50,000	20,000	21/2
Walsall Agricultural Hall	3,000	3,000	
Great Northern Manganese		3,000	. 5
CITCHE LICEUM IN COMMENT			

AUSTRALIAN UNITED GOLD MINING COMPANY, 50,000L, in 20,000 ares of 2t. 10s, each.—The objects for which this company is established are

GREAT NORTHERN MANGANESE COMPANY, 15,000L, in 3000 shares, of 5L each.—The objects for which this company is established are the searching for and dealing in manganese, coal, and Cannel; the acquiring of patent or other rights and privileges having reference to the objects of the company; the erecting, &c., of warchouses, buildings, lands, mines, quarries, and premises, resulting, and personal, and other conveniences for any of the purposes of the company; &c. The Memorandum is signed by—IK. Roberts, of Bala, merchant, 20; II. SOUTHAM, 7, South Parade, Manchester, when merchant, 16; J. HARRIS, Tyddyn Ronon, near Bala, mining azent, 5; E. F. Piere, 51, Mosley-street, Manchester, insurance broker, 4; J. K. WILLIAMS, 7, South Parade, Manchester, commission agent, 2; Griptiti Jones, Bala, manager of the Bala Banking Company (Limited). 1. There shall be not less than three directers, nor more than nine, each of whom, after the first, shall have held five shares for six months at least previous to election. Messys, R. Roberts, E. F. Piere, and H. Southamshall be the first directors of the company. Bankers, the Bala Banking Company (Limited), Bala. Solicitor, A. Orrell, Walmsley, Manchester. Consulting Mining Englineer, R. Hudders, geologist, Bala. Auditor, J. K. WILLIAMS, Bala. The capital shall be 15,000L, divided into 3000 shares, of 5L cach, to be fixed by the general meeting. The remuneration of the managing director and the secretary shall be fixed by the board. GREAT NORTHERN MANGANESE COMPANY, 15,000 l., in 3000 shares

DON PEDRO NORTH DEL REY.—At the meeting of shareholders, on Monday, at which Mr. Henry Haymen presided—the details of which appear elsewhere—a dividend of 5s. per share was declared, making the amount for the year 13s. per share, or about 92 per cent. upon the paid-up capital. The profit for the year amounted to 54,4214, the produce having realised 79,0444. It will be seen by the last advices, which appear in another column, that the operations during January resulted in a profit of 27004.

ECONOMIC LIFE ASSURANCE SOCIETY.—A perusal of the proceedings of the annual meeting cannot fail to impress the reader with the fact that this old-established and deservedly esteemed association is largely extending its sphere of usefulness, while, at the same time, it is receiving from the public that increased patronage which its proved stability justly merits.

MR. GEORGE HENWOOD, M.E.—We have received a long letter from our old and valued correspondent, who is now residing in Upper Himalaya, Punjaul, where, we are glad to learn, he has been eminently successful in carrying out the object for which he visited India. They have now two mines working (for which a company has been formed, and acapital of 50,000, subscribed), and, although in the rudest manner, yet in the short space of two months they have 20 tons of lead and 1½ ton of sliver ore raised and partially dressed. Mr. George Henwood has forwarded us the "Journal of a Journey through the Himalayas," which is written in his usual interesting style, and, if space permits, shall appear in the Journal. We are glad to learn, as will many of our readers be, that our old friend is enjoying excellent health, and quite sanguine of achieving most satisfactory results—indeed, it would appear he is destined to be the pioneer of a great success in developing the mineral wealth of that vast territory, so much overlooked and neglected.

LUCY PHILLIPS MINING COMPANY .- As an evidence of the facili-LUCY FHILLIPS MINING COMPANY,—As an evidence of the facili-ties which telegraphic intercommunication offers for the management of mines situated in distant countries, it may be mentioned that Mr. Wills, the agent of this company, dispatched a message from Idaho to London on Thursday, Feb. 6, at Three o'clock in the afternoon, and received the reply at noon on the follow-ing day, the total time occupied being only 21 hours.

#### MINING NOTABILIA

[EXTRACTS FROM OUR CORRESPONDENCE.]

[EXTRACTS FROM OUR CORRESPONDENCE.]

PENHALE UNITED SILVER-LEAD.—The attention of those interested in the celebrated Chiverton district has been directed to this property, which bids fair to be a very successful undertaking, judging from the excellent pile of silver-lead which is now at surface, and which will soon be much increased.

WEST MARIA AND FORTESCUE.—The 50 fathom level east, on the West Maria lode, is greatly improved, being worth 30, per fathom, and a still richer lode anticipated. There is little question that as the levels are extended east large deposits of copper will be met with. From the present underlie of the two lodes the Capel Tor and West Maria lodes will form a junction about 12 fms. from the present end, in this level, and great results are anticipated.

LONDON GENERAL OMNIBUS COMPANY.—The traffic receipts for ne week ending March 22 amounted to 10,081l. 4s. 4d.

A NGLO-MEXICAN MINT COMPANY,—
Notice is hereby given, that the ANNUAL GENERAL MEETING of shareholders in this company will be HELD at the offices as below on TUESDAY, the 7th day of April next, when one director will be elected in the place of Thomas Curris, Esq., who goes out by rotation, but is elegible for re-election, and will be proposed accordingly. The chair will be taken at One o'clock precisely.

4. Finsbury-place South, March 27, 1868.

THE LUSITANIAN MINING COMPANY (LIMITED)—
Notice is hereby given, that in accordance with the Deed of Settlement,
the FOURTEENTH ANNUAL GENERAL MEETING of the shareholders in
this company will be HELD at this office, on THURSDAY, the 9th of April next,
at half-past Two o'clock in the afternoon.—
To receive the reports and accounts for the year ending 30th September, 1867,

and for general purposes.
At this meeting two directors—Henry Reeve, Esq., and John Henry Schmidt, Esq.—will retire from office by rotation, but are eligible, and offer themselves

for re-election.

One of the anditors, Charles Roberts, Esq., will also go out of office a this meeting, but being eligible, offers himself for re-election.

By order of the Board, W. G. WILLIAMS, Secretary, 5, Queen-street-place, E.C., March 26, 1868.

EW CLIFFORD MINING COMPANY (LIMITED).—
The directors have THIS DAY made A CALL of FIVE SHILLINGS
PER SHARE, payable at Messrs. Tweedy, Williams, and Co., Redruth, Cornwall, or their London agents, Messrs, Glyn, Mills, and Co., on or before Tuesday, the 21st day of April next.

MATTHEW GREENE, Sec.
St. Michael's-house, Cornhill, London, E.C., March 27, 1868.

With this week's Journal is given a Supplemental Sheet, which contains—Prof. Warington Smyth's Lectures (continued). Original Correspondence: on Technical Education; the Electric Teleginal Correspondence: on Technical Education; the Electric Telegraph; Hydrostatic Balance; Rock-Drilling or Boring-Machines—challenge by Mr. Doering; Treatment of Poor Copper Ores; the Produce of State Quarries; the Progress of Mining as a Science and Source of Commercial Wealth; Splendid Results of Mining—Dolcoath Mine. Foreign Mining and Metallurgy. Australian Mine Reports. Foreign Mining Reports. Mining in Eastern Nevada, U.S. Literary Notices: Life of James Ferguson; the Haunts and Homes of Cornishmen. Petroleum in Italy. Bills of Exchange. &c. of Exchange, &c.

#### The Mining Market; Prices of Metals, Ores, &c.

METAL MARKET-LONDON, MARCH 27, 1868.

METAL M	ARRET-HONDON, MARCH 21, 1888.
COPPER. # s. d. # s. d.  Best selected.p. ton 79	RON.   Per ton.
Tubes, 10½d11d.  Yellow Metal Sheath.p. lb. 7¼d Sheets, 7 d SPELTER. Per ton.  Foreign on the spot. £20 10 0- , to arrive 20 10 0-  ZING. In sheets £26 0 0-  TIN.	Do., Swed. in London. 10 0 0-10 5 To arrive
English blocks     96     0       Do., bars (in barrels)     97     0       Do., refined     99     0       Banca     £93     0     94     0       Straits     91     0       TIN-PLATES.*     Per box.	Swed., in kegs(rolled)14 5 0 - 15 0, (hammered)14 15 0-15 0 Ditto, in faggots
IC Charcoal, 1st qua. 1 7 0 - 1 10 0 IX Ditto, 1st quality 113 0 - 1 16 0 IC Ditto, 2d quality. 1 1 3 0 - 1 7 0 IX Ditto, 2d quality. 1 1 10 - 1 13 0 IC Coke	English Pig, com 19 10 0- Ditto, LB 19 15 0- Ditto, WB 21 10 0- Ditto, sheot 20 5 0- Ditto, red lead 20 15 0- Ditto, red lead 27 0 0-30 0 Ditto, patent shot 22 10 0-23 0 Spanish 18 10 0-18 15 0 1s. 6d. per box less.

REMARKS.—The Metal Market, though certainly not so active as it is desirable that it should be, has been decidedly more lively during the past week than it was during the previous one; and there is every reason to anticipate that as the spring advances commercial affairs generally will be found to make considerable strides, and the metal trade resume its wonted activity. Confidence would seem now to be becoming generally restored, and anticipations are almost universally entertained that our compress will see lover recovering now to be becoming generally restored, and anticipations are almost universally entertained that our commerce will ere long recover its wonted energy, and that business will again become healthy and prosperous. Slowly but surely the Money Market is becoming firmer, and rates are not so easy as they were; and, although as yet no advance has been made in the Bank rate of discount, there appears little doubt that should this more favourable state of things continue the directors of the Bank of England will find it necessary to make some advance upon the present minimum. Before this occurs, therefore, which we may certainly expect will take place at no distant day, it would be for the interest of those who are contemplating operations which involve their seeking accommodation that they should avail themselves of the present facilities while they still exist, as with an advance in the Bank rate we shall also, most probably, have an advance in the prices of metals generally, many of which are already showing greater firmness, and thus opportunities might be lost which are not at all likely to occur again for many years to come. The advices from India are still encouraging, and show that the demand is improving, and that the intelligence from England reporting a better feeling here has not been without its effect there. It is very important that this improvement should continue, as the demand from India will have great effect in producing a still better state of things in our own market.

COPPER.—The market for this metal has remained during the week without any animation; nevertheless, prices still continue steady Wallaroo is now quoted at 81l., and Chili bar at 72l. to 72l. 10s. IRON.—The Preliminary Meeting of the Ironmasters of South Staf

IRON.—The Preliminary Meeting of the Ironmasters of South Staffordshire and East Worcestershire was held at Birmingham, on Thursday, when it was resolved, after a lengthened debate, that the price of bar-iron be reduced to 7t. per ton, and the puddlers' wages be reduced 1s. per ton, and other wages in proportion. The proposition met with very determined opposition, but, being carried, the dissentients agreed to conform to it. The workmen will receive notice on Saturday. In Welsh, operations at the works are carried on slowly, the mills and furnaces, as has been the case for many months past, being on from one-half to two-thirds time. The opening of the Russian season will, it is believed, stimulate the gradual return of confidence. Home engagements are slightly increasing, and there are indications of a further improvement. It cannot be said that quotations have experienced any actual advance, but prices are stiffening, as compared with what they were three months ago. Another blast-furnace is about to be blown-in at Ebbw Vale, which will afford employment to a number of additional hands. In Swedish iron there is more animation, and several shipments are now arriving from Sweden. In Scotch Pig-Iron the market has been steady during the week, and the price has slightly improved to 52s. 10\frac{1}{2}d. cash.

LEAD.—The demand has for the present somewhat slackened, still a moderate business is done, and prices are without alteration.

LEAD.—The demand has for the present somewhat slackened, still a moderate business is done, and prices are without alteration. TIN.—The near approach of the Dutch Trading Company's sale appears to have checked operations for a time, so that little business has been done in Straits during the week. A few small sales were effected at 91*l*. 10s. cash, which may still be considered the quotation. SPELTER.—Very little activity has characterised the market for this metal during the week, and sales have been limited. Holders, however, are still tolerably firm, at 20*l*. 10s. per parcel on the spot. TIN-PLATES.—The demand continues good, and makers seem disposed to ask rather higher prices.

STEEL.—Parcels are now arriving from Sweden, so that we shall soon have some stock here. The demand has somewhat improved. QUICKSILVER.—Rather more doing.

The MINING SHARE MARKET has been rather inactive this week, and prices, with very few exceptions, are almost nominal. The standard for copper ore, which had been gradually rising for two or three weeks, declined 21.5s. per ton on Thursday, contrary to all expectation, and this rather added to the depression on the market. The shares chiefly dealt in have been West Chiverton (ata slightadvance), Prince of Wales (at a decline), Devon Great Consols, Chontales, West Frances, Chiverton Moor, Chiverton Valley, Wheal Chiverton, Marke Valley, Great Retallack, Wheal Buller, Wheal Grenville, Wheal Mary Ann, Wheal Seton, North Roskear, Clifford Amalgamated, Great Laxey, Great Wheal Vor, and a few others. Carn Brea, 17½ to 20; Clifford Amalgamated, 5½ to 6; Chontales Gold, 4½ to 4½; Chiverton Moor, 6½ to 6½; Chiverton Valley, 4½ to 5. West Chiverton, 64½ to 66. The 110 east, at Hawke's, is worth 60%, per fm.; the 110 west, 90%, per fm.; the 100, west of No. 1 winze, is worth 40%, per fm; east, 50%, per fathom; the 100, west of No. 3 winze, 60% per fm.; the 100, east of No. 3 winze, 50% per fm. An important point is, that that 200 fathoms west of the present workings the lode has been cut into in the 90 worth, as far as seen. 10% per fm.; and this will open shares chiefly dealt in have been West Chiverton (ata slight advance),

so far as taken down, is 5 feet wide, worth 60%, per fathom, the bottom of the end being a splendid course of ore 3 feet high. The 55 west is worth 28%, per fathom. The sampling is about 140 tons. East Basset, 10 to 12; East Caradon, 3\frac{3}{2}\tau to 4; East Lovell, 8\frac{1}{2}\tau to 9; Frontino and Bolivia, 12s. to 14. Marke Valley, 6 to 6\frac{1}{2}. The ends in Marke's lode are worth in the aggregate 7 tons of copper ore per fathom. In Rosedown lode the ends are worth in the aggregate 16 tons of copper ore per fathom. Grambler and St. Aubyn, 3 to 4; Great Laxey, 17 to 18; Great South Tolgus, 16s. to 18s.; Great Wheal Vor, 18 to 19; Herodsfoot, 38 to 40; North Crofty, 2\frac{3}{2}\tau 02\frac{3}{2}\tau. Wheal Grenville, 32s. 6d. to 35s. In the north lode, in the 100 west, there is some splendid tin, the value of which will be tested by assay. The 80 west is worth 10% per fathom. North Downs, 26s. to 28s.; North Treskerby, 22s. 24s.; Providence Mines, 26 to 28; South Frances, 21 to 23. South Herodsfoot, 15s. to 20s.; the engine-shaft is in regular course of sinking below the 86, but the ground is at present rather harder, and not so much progress is made.

Great Retallack, 2\frac{3}{3}\tau 02\frac{3}{3}\tau the winze is worth 1\frac{1}{3}\tau to 3\frac{1}{3}\tau Tincroft, 14\to 15\tau West Caradon, 7\to 8. West Frances, 32\frac{1}{3}\to 3\frac{1}{3}\tau Tincroft, 14\to 15\tau West Caradon, 7\to 8. West Frances, 32\frac{1}{3}\to 3\frac{1}{3}\tau Tincroft, 14\to 15\tau West Caradon, 7\to 8. West Frances, 32\frac{1}{3}\to 3\frac{1}{3}\tau the prospects of this mine are reported as very favourable. West Great Work, 3\to 4\tau West Seton, 200\to 210\tau Wheal Basset, 65\to 67\frac{1}{3}\tau Wheal Buller, 12\to 14\tau and more business doing. Wheal Chiverton, 2\frac{1}{3}\to 3\tau Wheal Kitty (Lelant), 6\to 7\tau Wheal Seton, 85\to 87\frac{1}{3}\tau Wheal Trelawny, 8\frac{1}{3}\to 9\to 10\tau 14\tau nd more business doing. Wheal Chiverton, 2\frac{1}{3}\to 2\frac{1}{3}\tau Wheal Mary Ann, 21\to 22\tau Wheal Seto

at 186%, per fathom.

There has not been a very active business doing in the Miniug Market on the Stock Exchange during the week. St. John del Rey shares have improved on an over-sold market. Pestarena, Rossa Grande, United Mexican, and Yudanamutana have all improved, having been in good request; on the other hand, Don Pedro shares have been freely offered, and close flat. Chontales are also lower: The closing quotations are as follows:—St. John del Rey, 20 to 21; Don Pedro, 2 to 2½ prem.; Anglo-Brazilian, ½ dis. to par; Rossa Grande, 1-16 dis. to 1-16 prem.; Anglo-Brazilian, ½ dis. to par; Rossa Grande, 1-16 dis. to 1-16 prem.; Anglo-Italian, par to ½ prem.; Anglo-Argentine, ½ to ½ prem.; Frontino and Bolivia, 9-16 to 11-16; Chontales, 1 to ½ dis.; Port Phillip, 1½ to 1½; Pestarena, ¾ to ½ dis.; Central American, ½ dis. to par; English and Australian Copper, 11-16 to 13-16; United Mexican, ½ to 1½; Yudanamutana, 2 to 2½; Alamillos, 1½ to 2½; and Kapunda, ½ to ½. English mines have been dealt in to some extent. West Chivertons are very firm, at 64½ to 65½; after driving through a course of ore for 200 fms. long in the 90, the lode has suddenly improved to 15% per fm., and looks like entering on a fresh run; the mine is doing better than ever. Chiverton shares are steady, at 2½ to 3½; there are some promising points in the mine. Chiverton Moor, 6½; Chiverton Valley, 4½ to 5; North Chiverton, 4 to 4½; Great Vor, 18½ to 19; Great Laxey rather more offered, at 16½ to 17½. Prince of Wales shares have been largely dealt in, closing 53s. to 55s. North Wales mines are steady. Minera, 165 to 175; Maes-y-Safn, 28 to 29.

During the quarter ending March 31 the quantity of copper ore, the

During the quarter ending March 31 the quantity of copper ore, the produce of Cornwall and Devonshire, sold at the Cornish Ticketing, produce of Cornwall and Devonshire, sold at the Cornish Ticketing, was 29,781 tons, which contained 1942 tons 4 cwts. of fine copper, and realised 133,390′. 19s. 6d., being equal to an average of 4½. 9s. 6d. per ton of ore, and 68½. 13s. 6d. per ton of copper in the ore. During the same period the British, colonial, and foreign ores sold at Swansea amounted to 5127 tons, which contained 869 tons 0½ cwt. of fine copper, and realised 61,306½. 3s. 6d., being equal to an average of 12½. 1s. 6d. per ton of ore, and 71½, 4s. 9d. per ton of copper in the ore. The average produce of the ore sold at the Cornwall Ticketing was 6½ per cent., whilst that sold at Swansea gave an average produce of about 16½ per cent. From this it will be seen that the aggregate sales by ticket were 34,908 tons of ore, containing 2811 tons 5 cwts. of fine copper, and realising 195,297½. 3s. The subjoined is a summary of the periodical sales at the Cornwall and Swansea Ticketings respectively:—

The ores sold at the Cornish Ticketings were—

The ores sold at the Cornish Ticketings were-

Date.	Sta	nd.	9	P	rod. F	ric	ep.	to	on.	Pe	r uni	t.	Ton	8.	Fine	3 CO	p.	Amo	unt	
Jan. 2	£105	3	0		7	£4	13	0		13s	. 21/20	1	2165		152	7		£10,067	6	
,, 9	116	0	0		51/4	3	7	6		12	9		1362		71	17		4,589	15	
,, 28	116	9	0		55/8	3	17	0		13	7		4249		241	5		16,405	6	1
,, 30	101	9	0		75/8	5	5	0		13	51/2		2148		169	17		11,323	0	. 1
Feb. 6	108	8	0		63/8	4	4	6		13	11/2		3043		195	12		12,838	13	-
,, 13	109	7	0	••	63/8	4	3	6		13	2		2175		137	11		9,057	4	-
» 20. ·	113	6	0		63/8	4	9	6		14	01/2		3745	••	238	11		16,734	17	(
,, 27	105	10	0		71/4	5	9	0	••	14	4		1634		127	5		8,929	13	(
Mar. 5	111	10	0		634	4	16	0		14	1		2172	••	146	17		10,403	12	(
,, 12	123	2	0		51/4	3	13	6		14	1		1374	• •	71	15		5,053	8	(
,, 19					6%							• •	3611	• •	228	12		16,214	10	(
,, 26	109	4	0	••	7%	5	12	0	••	14	7		2103	••	160	15	••	11,773	13	6
	To	otal	l f	or	the au	art	er					2	0.781	1	942	4	.£	133,390	19	6
																		142,140		
	QI	uar	te	r ei	nding	Sep	t.,	18	367			25	,410	5	8008	14		137,216	19	0
	Qt	uar	to	r ei	nding	Jui	10,	18	67		****	. 3	0,298	1	992	9		140,078	11	0
	To	otal	ıſ	or	the year	ar.		•••	•••	••••		12	0,470	8	3001	10		552,826	16	0
	Sb	ow	in	ga	quar	terl	ya	ve	ra	ge of	f	. 3	0,118		2000	8		138,206	14	0
																		138,295		
-									-	-										

The ores sold at the Swansea Ticketings were-Stand. Prod. Pricep.ton. Per unit. Tons. Fine cop. Amount. £91 6 0 .. 19 .. £13 5 4 .. 12s,11\( d \)d. 1866.. 355 11 £24,757 1 0 Date. Feb. 11. 92 10 6 .. 15½. 10 12 6 .. 14 0½.. 2015.. 304 15½ 21,417 9 0 March 24 97 5 0 .. 16¾. 12 12 6 .. 15 1 .. 1246.. 208 14.. 15,731 18 6

Total for the quarter 5	,127.	869	01/2	£61,906	3	6
Quarter ending Dec., 186710,	,532	2083	91/2	148,827	12	6
Quarter ending Sept., 1867 1	,881	1202	0	86,033	8	6
Quarter ending June, 1867 2	2,220.	225	10	21,508	7	0
Total for the year26	3,760.	4380	0.8	318,275	11	6
Showing a quarterly average of 6	6,690.	.1095	0	79,568	18	0
Corresponding quarter, March, 1867 3	3,914.	. 587	2.	43,817	5	6

The Foreign and Colonial Government Trust has been created (Lord Westbury, Lord Eustace Cecil, M.P., and Messrs. G. M. Sandford, M.P.; G. W. Currie, and Philip Rose being the trustees), for the purpose of giving the investor of moderate means the facility for distributing his risks, at present possessed by large capitalists only. The prospectus of the enterprise will be found in another column of this day's Journal, from which it will be seen that it is proposed to issue, at 85% each, certificates of 100% each, bearing interest of 6 per cent., which is equivalent to 7 per cent. upon the amount subscribed. In addition to this, the subscribers are to receive a bonus of 15 per cent. by the repayment of capital at par within 24 years, and a reversion, calculated by Mr. Jellicoe, the eminent actuary, at 909, 409% nominal capital eventually divisable among the subscribers. Compared with existing financial companies, the present undertaking has the advantage of not being registered as a limited liability concern, and the managers of it can only invest the subscribers' money in certain Government stocks (those selected are all dividend-paying), and tain Government stocks (those selected are all dividend-paying), and not more than 100,000% in the stock of any one Government, whilst other finance companies are upon the limited liability principle, and can invest at discretion in all kinds of securities. The cost of "the ordinary expenses of management" of the undertaking is fixed at into in the 90 worth, as far as seen, 10% per fm.; and this will open out a new and good piece of lead ground.

Prince of Wales, 53s. to 55s. The lode being carried in the 65 east is 2 feet wide, composed of capel, quartz, and occasional stones of mundic and copper ore, and letting out much water. The 55 east, year should be insufficient to pay the full amount of interest on the

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ertificates, the deficiency will form a first charge upon the subsequent ceipts, subject only to the annual allowance for expenses.

receipts, subject only to the annual allowance for expenses.

The East del Rey Mining Company (Limited) found itself last year mable to continue its operations in Brazil for want of sufficient capital. Like many other companies, it had spent its money just at the time when the mines seemed to present the most promising indications of success. The mines originally undertaken had proved unprofitable, and were abandoned, but not until a large portion of the company's capital had been lost; so that when the Sao Vicente property was purchased for 17,000%, the means at the disposal of the company were so reduced as to render a further creation of capital necessary. The appeal then made was answered only to a limited extent. Eventually the unfortunate company resolved itself into "liquidation," and an attempt was made to form a new company out of the old materials; but the times were bad, the majority of the shafe-holders apathetic, and, therefore, the attempt proved to be a failure. old materials; but the times were bad, the majority of the shareholders apathetic, and, therefore, the attempt proved to be a failure.
Disappointed hopes and expectations have been too much the order
of the day during the past two years. To discriminate between a
really bad and a good concern is very difficult to those who are unacquainted with the subject. Hence the public are either drawn
through some peculiar influence into a bad concern, which an honest
practical man would condemn, or they, in adverse times, are just as
pady to abandon a good concern, contrary to the advice and opinion
of competent judges. Now, the East del Rey Company is in this latter
position. The directors had not only the opinion of their own agents,
and the evidence which came periodically under their notice, but they
had also the opinion of the late Mr. Walter Furst, who, at their request,
uspected the property, and gave them an elaborate report, which enters
most fully into the matter; states what has been done in each of the
mines, and what are their prospects; and points out the importance
of the Jacotinga formation which had recently been acquired, shows
what wealth has been obtained from formations of a like character,
sets forth the facilities of working very economically and effectually, what wealth has been obtained from formations of a fixe character, sets forth the facilities of working very economically and effectually, and, finally gives a clear and decided opinion in favour of following up the working, not only of the quartz lodes of Sao Vicente, but also, and more particularly, the jacotings formation. With such reliable and favourable evidence in their possession, the liquidators have entered into an arrangement for a sale of the East del Rey Company's that the declaraction of the Sao Vicente Mixing Company's that the said property the Sao Vicente Mixing Company's rights and property to the Sao Vicente Mining Company (Limited), whose prospectus appears in this day's Journal. The price is to be 10,000%, payable by two instalments, of 5000% each, the first in one month after the Sao Vicente Company has received notice from Brazile. that the property has been legally transferred, and the remaining 5000% in six months from that date. The fact of the Sao Vicente Company being brought out under the auspices of Mr. Henry Haymen, the energetic and successful Chairman of the Don Pedro Company (which company has repaid the whole of its capital in one year), is, we think, a sufficient guarantee that the working of the mines will service such an impactus as must inevitably lead to a speedy profit. eive such an impetus as must inevitably lead to a speedy profit-

At the Redruth Ticketing, on Thursday, 2103 tons of ore were sold, realising 11,7734, 13s. 6d. The particulars of the sale were:—Average standard, 1094. 4s.; average produce, 7\frac{3}{6}; average price per ton, 5t. 12s.; quantity of fine copper, 160 tons 15 cwts. The following are the particulars of the sales during the past month:—

Date. Tons. Standard. Produce. Per ton. Per unit. Ore copper. Feb.27. 1884. £105 10 0. 734. £5 9 0. 14s. 4d. £70 3 6

Mar. 5. 2172. 111 10 0. 634. 4 16 0. 14 1. 70 9 0

12. 1374. 123 2 0. 554. 3 13 6. 14 1. 70 8 6

12. 1374. 123 2 0. 554. 3 13 6. 14 1. 74 3 8 6

12. 1375. 3611. 119 12 0. 6 4 9 6 144 10. 74 3 6

12. 26. 2103. 109 47 0. 7\frac{3}{6} 8. 5 12 0. 14 7 7 73 4 0

Compared with lask week's sale, the decline has been in the standard.

Compared with last week's sale, the decline has been in the standard 21.5s., and in the price per ton of ore about 3s. 6d. Compared with the corresponding sale of last month, the standard has slightly im-

At the Swansea Ticketing, on Tuesday, 1246 tons of ore were sold, realising 15,731l. 13s. 6d. The particulars of the sale were—Average standard for 9 per cent. produce, 97l. 5s. 0d.; average produce, 163; average price per ton, 12l. 12s. 6d.; quantity of fine copper, 208 tons 14 cwts. The following are the particulars of the sales during the

14 cwts. The following are the particulars of the sales during the past month:—
Date. Tons. Standard. Produce. Price per ton. Per unit. Ore copper. Pob. 11. 2015 ... £92 10 6 ... 15½... £10 12 6 ... 148, 0½d... £70 5 6 March 24 1246 ... 27 5 0 ... 1634 ... 12 12 6 ... 15 1 ... 75 7 6 Compared with the last sale, which is also the corresponding sale of last month, the advance has been in the standard 41. 14s. 6d., and in the price per ton of ore about 15s. 9d.

The directors of the Devonshire Great Consolidated Copper Mining The directors of the Devonshire errent consolidated copper anning Company, at their board meeting, held yesterday, declared a dividend of 71681. It is a superstant of the same there remains in hand a balance of 716, 1711. 14s. 3d. in eash : ore bills not at maturity, and reserved fund applicable to the general purposes of the company.

Total .....£33,030 10 0

At Trumpet Consols Mine meeting, on March 20, the accounts lowed a credit balance of 1208, 8s. 5d. A dividend of 10004. (10s. per share) was clared. Captains Quentrall, Rowe, and Gluyas say—"Our reserves have in-cased throughout the mine."

At West Basset Mining Company bi-monthly meeting, on Wednesday, the accounts, which showed a debit balance of 5981, 2s. 5d., were allowed and passed. The cause of the delay in assessing the damages in the case of "Lyle v. Richards" was stated to be that Mr. Childs, the solicitor to the South Trances Company, declined to have a barrister named by Baron Channell appointed referee, they thinking that the matter ought to be referred to a mining saptain. Upon the recommendation that the Baron should decide whether a barrister or mine captain should be chosen, the solicitor to the South Frances Company said he had not suddeen tauthority from Cornwall to consent to this sourse being adopted. Two months have elapsed without this matter being arranged. The suit in Chancery is progressing, and so is the cause of the Involving considerable legal and other expenses.

At the Reinnie Laxey Mining Company meeting, on March 19, the accounts showed a balance of assets over liabilities of 14881. 10s. 1d. It was refuged that, "having duly considered the report of the agent of the mine with so will ultimately be successful, and that the operations should be continued with vigour, in accordance with the agent's recommendations." Messrs, Blease, public accountants, were appointed auditors of the company for the ensuing year, to be paid 51, 5s. for each audit.

be paid 51. 5s. for each audit.

At the East Laxey Mining Company meeting, on March 18, the acants showed assets, cash in hand, 2151. 4s. 2d. On the suggestion of Capt. W.
we (the agent of the mine, who was present), it was resolved to sink a sump
om the 20 fm. level forehead, and he was instructed to proceed with the same.

At the Alamillos Company meeting, on Thursday (Mr. J. P. Judd in he chair), the reports and balance-sheet were received and adopted, the retiring lrectors were re-elected, and Mr. R. Palgrave elected a director; and Messrs. etil and Abercrombie were appointed auditors. Details in another column. At the Fortuna Company meeting, on Thursday (Mr. C. Morris in the hair), the accounts showed a profit upon the six months' operations of 30961, etails in another column.

Details in another column.

At the Linares Lead Mining Company meeting, on Thursday (Mr. W. Cox in the chair), the report and accounts were unanimously adopted, the reining directors were re-elected, Mr. R. Henty appointed a director, and Messrs. Fill and Palgrave were appointed auditors. The question of the amaignment of the Linares, Alamillos, and Fortuna was discussed, but no action was resolved an. Details of the proceedings will be found in another column.

At the United Mexican Mine meeting, on Thursday (Mr. C. Morris in the chair), it was unanimously resolved that the provisional agreement entered not by Mr. Furber with certain parties in Mexico for the acquisition of new mines be confirmed, and the directors are anthorised and requested from time to time to call the shareholders together for the purpose of making such call on he shares of the company as may be required to carry into effect such agreement, provided that such calls shall not exceed 5s, per share in any one year, and that the total amount so called shall not exceed 1s, per share. Details pepar in another column.

The Cape Copper Mining Company have received despatches per le Roman to Feb. 8 in Namaqualand. At Ooklep no change of importance at taken place in the workings. The extract for the month of January was lot one of 2352 lbs., averaging 32-6 per cont. assay. At Spectakel the tributers ere getting out fine parcels of ore. Bills of lading per the Croydon are to hand at 463 tons of copper ore, and 101 tons of regulus and metal: 230 tons of ore

were sold at Swansea by public ticketing on the 24th inst., realising 15s. 3d. per unit.

The Bank of England returns for the week ending on Wednesday The Bank of England returns for the week ending on Wednesday evening showed in the ISSUE DEPARTMENT an increase in the "notes issued" of 198,20°L represented by a corresponding Increase in the "coin and bullion" on the other side of the account. In the BANKING DEPARTMENT there is shown an increase in the "public deposits" of 13,362,252′L, and in the "rest" of 17,882′L together 1,377,634′L, and a decrease in the "other deposits" of 23,483′L, and in the "seven day and other bills" of 31,332′L; together 255,820′L,—1,091,814′L, and deducting this from 1,262,398′L, the increase in the "other securities," there remains a decrease in the total reserve of 159,584′L.

On the Stock Exchange a considerable amount of business has been On the Stock Exchange a considerable amount of business has been transacted in Mining Shares during the week. The following prices were officially recorded in British Mining Shares:—West Caradon,  $8\frac{1}{4}$ ,  $8\frac{\pi}{6}$ ; Devon Great Consols,  $442\frac{1}{2}$ ; Great Laxey,  $17\frac{\pi}{4}$ ; Chiverton, 3,  $2\frac{\pi}{6}$ .—In Colonial Mining Shares the prices were:—Cape Copper,  $9\frac{\pi}{4}$ ,  $9\frac{\pi}{4}$ ; Yudanamutana, 2, 2, 2, 2, 3, 16ths, 2, 2, 16ths, 1, 1-In Foreign Mining Shares the prices were:—Capula,  $\frac{\pi}{6}$ ; Chontales,  $3\frac{\pi}{4}$ ,  $3\frac{\pi}{6}$ , 3, 1-1.6ths,  $3\frac{\pi}{4}$ ; Do Pedro,  $2\frac{\pi}{2}$ ,  $2\frac{\pi}{4}$ , 2-5-16ths, 2-3-16ths,  $2\frac{\pi}{6}$ , 3-11.16ths,  $3\frac{\pi}{6}$ ; 3-12, 3-16ths, 3-12, 3-16ths; St. John del Rey,  $19\frac{\pi}{4}$ ,  $19\frac{\pi}{4$ 

COAL MARKET.—The supply of coals this week has been rather large, 146 ships having come forward. House coals have been heavy of sale, and we quote a general reduction in prices of from 3d. to 6d. per ton. Hartley's have remained steady at previous value; Haswell Wallsend, 17s. 3d.; South Hetton Wallsend, 17s.; Tees Wallsend, 16s. 9d.; East Hartlepool, 16s.; Braddyll's Wallsend, 15s. 3d.; Eden Main, 14s. 9d.; New Belmont Wallsend, 14s. 9d.; Gosforth Wallsend, 14s. 6d.; Tunstall Wallsend, 14s. 6d.; South Hartlepool Wallsend, 14s.; West Hartley, 16s. 6d.: 26 cargoes unsold; 30 ships at sea. sold; 30 ships at sea.

sold; 30 ships at sen,

COPPER TRADE.—Messrs, Vivian, Younger, and Bond (March 27)

write:—A fair amount of business has been done in Chili bars in Liverpool, about 450 tons having been sold. The transactions comprise 100 tons spot at 721, 200 tons close at hand at the same price, and 250 tons spot at 721, 100, a small portion of which last was with one month's prompt. A small cargo of regulus (160 tons) was parted with at 14s, 9d, per unit. The market for West Coast produce closes firm at our quotations, with nothing pressing. In Havre the feeling is somewhat quieter, and a certain quantity of bars might be had on slightly easier terms. At the sale of ores at Swansea the average price obtained was 15s. 1d, per unit, the standard having advanced 51, over that of the previous month. At the sale in Cornwall the standard receded 21, from that of the previous week. In fine foreign a good business has been done, about 150 tons Wallarvo cake having fetched 901, 10s, cash. Burra Burra has been done to a small extent at 821. The demand for English descriptions is quiet.

CONTRACT FOR STEEL RAILS .- Messrs. CAMMELL and Co., of Sheffield, have undertaken to supply the Madras Railway Company with 1300 tons of steel rails, to be composed of 30 per cent. of charcoal iron and 70 per cent. of the best hematite.

SILVER-LEAD MINES.—The Owner of a FIRST-CLASS SETT, partly opened, DESIRES a PARTNER with about £1000. Three lodies opened only 6 feet apart. Has been worked extensively by the ancients to 15 fathoms deep; no record as to date. Samples from the lodies found have been assayed by Johnson, Matthey, and Co., and other celebrated assayers. Lease, 21 years; dues, 1-22d. Good references given and required. Apply to Messrs. Morgans and Sons, Mining Engineers, City-chambers, Nicholas-street, Bristol, where the ores, which are highly argentiferous, may be seen, and full particulars obtained.

PARTNERS REQUIRED.—A Gentleman possessed of a MINE IN WORK wishes for a Person competent to procure others to JOIN him in the matter, in order to work it more extensively, to whom most liberal repairment will be accorded.

Apply, by letter, "X. Z.," Gresham Club, E.C.

TO ENGINEERS AND COLLIERY PROPRIETORS.

ANTED, by a Young Man, an ENGAGEMENT as SURVEYOR. Surveys accurately, both surface and underground, and is a neat draughtsman.
Address, "M. S.," MINING JOURNAL Office, 26, Fleet-street, London, W.C.

COAL SALESMAN.

WANTED, an ENERGETIC PERSON to undertake the SALE MARKETS. Security will be required, as well as good references as to character and capability. The party would be required to devote the whole of his time to the sales of the coals of one colliery.

Applicants to direct to "P. A.," Post Office, Coventry.

TO STEAM BOILER MANUFACTURERS.

WANTED, a Person to MAKE a STEAM BOILER on a NEW PLAN, that would SAVE ONE-HALF the present CONSUMPTION of COAL, and BUBN ITS OWN SMOKE.

For particulars, apply personally to Mr. JAMES HARBERT, No. 32, Waterloostreet, Kidderminster.

WANTED, by the Advertiser, A GENTLEMAN to JOIN HIM in OPENING a RICH TIN LODE. The lode has been proved for 200 fms. In length, and immense quantities of rich tin have been raise of city few feet from surface. It is the richest tin lode in the district. All particulars can be had by applying to "A. B.," MINING JOURNAU Office, 26, Fleet street. London. All particulars can be

WANTED, at the MORFA COPPER WORKS, a FOREMAN, for the Copper Rolling and Hammer Mills.

Application to be sent to the General Manager, on or before the 8th April.

Morfa Copper Works, Swansea, March 25, 1868.

ANTED, a TURBINE WHEEL, from 16 to 24 in. diameter, with governors; and about 100 yards of 6 or 7 in. flange pipes. Address, "Turbine," MINING JOURNAL Office, 26, Fleet-street, London.

ANTED, TO LET, in the Parish of HARBESTON, near TOTNES, DEVON, PART, or the WHOLE of a new SLATE QUARRY, rding to arrangements as may be agreed upon. Quality very superport blue rock. Address, Miss Catherine Pardy, Harbeston, near Totacs, Devon.

WANTED, FOUR THOUSAND POUNDS, upon SECURITY of an EXCELLENT COLONIAL COLLERY.
Apply, with real name and address, to J. H. Howard, Esq., soliciton 9, Quality-court, Chancery-lane.

TO INVESTORS.—An OPPORTUNITY offers of INVESTING TWELVE to FIFTEEN THOUSAND POUNDS in MINERAL PROPERTY. The returns will be large. No agent or money lender need apply. This being bone fide, no commission will be paid.

Address, A. O. CAMPBELL, Jerusalem Coffee-house, Cornhill, E.C.

TO CLOSE A TRUST.—ON SALE, ONE HUNDRED AND FIFTY SHARES in the TRELOGAN LEAD MINE, situate near HOLVWELL, FLINTSHIRE. The shares are fully paid up—namely, 210 per house, and wurst he suit. hare—and must be sold. Apply to Mr. LEDWARD, Crypt Chambers, Chester.

FOR SALE,—ONE HUNDRED SHARES IN PRINCE ARTHUR MINING COMPANY, 22 paid, at 15s. per share.
Apply to W. and D. MacLean, Stockbrokers, 98, West George-street, Glasgow

TO BE SOLD, BY PRIVATE CONTRACT, the LEASE of a NORTHUMBERLAND (upwards of fifty years unexpired); also VAPLANT and MACHINERY, erected by the proprietors at a cost housand pounds.
For further particulars, apply to Messrs. BUTLER and J. E. SMITH Collitors, Leeds.

ON SALE,—A VERY PROMISING LEAD MINE and HONE QUARRY, in MERIONETHSHIRE, NORTH WALES, within the Corwen Railway Station. Royalty very moderate.

Apply to "W. X. Y.," Post-office, Lianrwst, North Wales.

INVESTMENTS IN LEAD MINES. 

btained on application to—

8, Austinfriars, London, E.C.

Contract for Pig Iron.

CONTRACT DEPARTMENT, ADMIRALTY, SOMERSET HOUSE.

THE COMMISSIONERS for Executing the Office of Lord High Admiral of the United Kingdom of Great Britain and Ireland, do hereby give notice that on TUESDAY, the 7th April next, at Two O'clock, they will be READY to TREAT with such persons as may be WILLING to CONTRACT for SUPPLYING and DELIVERING into store at Her Majesty's several decky arche-

SIX HUNDRED TONS of SOFT MELTING PIG IRON,

According to a distribution, which, with a form of the tender and conditions of contract, may be seen in the lobby of the Storekeeper-General's Department, Admiralty, Somenset House. No tender will be received after Two o'clock on the day of treaty, nor will any be noticed unless the party attends, or an agent for him duly authorised in writing.

writing.

Every tender must be addressed to the Secretary of the Admiralty, and bear in the left-hand corner the words "Tender for Fig Iron," and must also be delivered at the Department of the Storekeeper-General, Admiralty, Somerset House, accompanied by a letter signed by two responsible persons, engaging to become bound with the person tendering in the sum of £25 per cent. on the value for the due performance of the contract.

By order, ANTONIO BRADY,

Registrar of Contracts and Public Securities.

Contract Department, Admiralty, Somerset House, March 23, 1868.

BIRMINGHAM FINANCIAL COMPANY (LIMITED), OFFICES .- WATERLOO STREET, BIRMINGHAM.

CAPITAL,—HALF A MILLION, Reserve fund, £12,000.

ADVANCES made upon approved real and other securities.

ADVANCES mand upon approved real and other securities.

DEFFERRED PAYMENTS on Wagon Leases and other contracts purchased radvances made thereon.

HENRY ALLBUTT, Secretary. or advances made thereon.

		L	EA	DO	RE	S.		
Date.	Mines.		on		An			Purchasers.
March 19-	-Caldbeck	Fells	40		£13	17	6	 _
20-	-Cargoll .		71		16	14	6	 Treffry's Executors.
23-	-East Log	vlas	50		11	11	6	 Walker, Parker, & Co.
	-Cwmvstw	Ith	70		11	11	6	 ditto
	-Glogfach		60		16	2	6	 R. Michell and Son.
26-	-Wheal M.	arv Ann	60		23	16	0	 ditto
	- ditto .		40		15	10	6	 Treffry's Executors.
27-	-Bwich Co	nsols	50		14	1	6	 Walker, Parker, & Co.
						_	_	 

BLACK TIN. Date. Mine.
March 20—Pendeen ....
21—Wheal Uny ..
— ditto ... Ts, c, q, lbs, Price p, ton. Amount. Purchaser, 5 4 3 13 . £54 0 0 . £283 2 6—Bolltho. 5 16 2 8 . 52 13 4 . 306 15 6— ditto 5 16 1 2 . 52 10 0 . . 305 4 0—Redruth Co.

#### COPPER ORES.

Sampled March 4, and sold at Swansea, March 24.

Mines.	Tons	. Pi	enduce.	P	rice	٥.	Mines, Tons, Proc	luce. Price.
Knockmah						6		
ditto						0	ditto 4 25	14 21 12 6
ditto						6	Azambugeira 18 3:	234 24 7 (
ditto					0	6	ditto 11 25	3% 21 15 (
ditto					12	6	ditto 4 16	01/2 7 12 (
Cape						0		
ditto	51		32	23	7	0	Victor Em 13 13	5% 11 16 ·6
ditto	50		32	23	7	0	Copper Ore. 6 45	
ditto	50		321/8	23	3	6		
ditto	77		2918	22	1		ditto 1 42	
Berehaven	80		101/2	- 8	3		ditto 5 4	
ditto	68		101/2	8	3	6		
Ballycum-					18	6	Concordia 5 24	
misk	1 29		8	5	13	0	Var 31 37	
ditto	15		81/2	6	5	6		
ditto					5	6	ditto 8 40	
ditto	3		17%	12	5	0	Argen. Reg., 17 25	23 9 0
ditto	1		634	4	10	0		

TOTAL PRODUCE.

Knockmahon	502	 £3835	13	6	Victor Emanuel	13	 £153	14
Cape Ore	280	 6431	1	6	Copper Ore	13	 293	12
Berehaven	148	 1209	18	0	Cape Ore	2	 49	0
Ballycummisk	109	 714	10	0	Concordia	5	 87	15
Connorree Ore		189	15	6	Var	31	 892	16
Azambugeira	33				Copper Regulus			
Copper Ore	19	 120	3	6	Argentiferous Reg.	17	 398	13

COMPANIES BY WHOM THE ORES WERE PURCHASED. 
 COMPANIES BY WHOM THE ORES
 WERE PURCHASED.

 Names.
 Tons.
 Amount

 Coppper Miners Company.
 410
 £3268 2
 2

 Freeman and Co.
 81
 709 12
 7
 9
 12

 P. Gronfell and Sons
 153
 3572 11
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 3572 21
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 3572 21
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Total ...... 1246 .... £15,731 13 6

ores for sale at Swansea, April 14—Knockmahon 535—Cuba 521—Cape tua 318—Otea 94—Precipitate 12—Residuum 12—Casali 6—Spanish ore 74-Mantua 318-0. 3.-Total, 1875 tons.

COPPER ORES.
Sampled March 11, and sold at Tabb's Hotel, Redruth, March 26. Price Mines.

	THE LEE COS.		OTHER		ACC.		ALL ALL CITY	OR STREET		Tree.	
1	South Caradon		82	£6	8	6	North Treskerby .				-
1	ditto	*****	68	. 4	13	0	ditto			18	-
١	ditto		62	9	5	6	Glasgow Caradon	*** 88	 5	7	-
1	ditto		61	10	4	6	ditto	68	 3	15	
1	ditto		60	11	4	6	ditto	61	 3	15	
1	ditto		59	6	15	6	Wheal Rose	67	 4	14	-
1	ditto		58	5	10	0	ditto	54	 5	11	6
ŀ	ditto		56	10	18	6	ditto			5	
1	ditto		42	11	19	0	Phonix Mines	83	 4	7	(
1	Clifford Amalga	mated	96	3	8	6	ditto	81	 4	4	6
1	ditto		84	5	18	0	Craddock Moor	63	 7	4	(
1	ditto		64	4	12	6	ditto	52	 6	9	-
Į	ditto		61	4	3	6	ditto			3	•
ı	ditto		58	2	7	6	West Caradon	47	 4	12	•
١	ditto		48	2	3	6	ditto	32	 6	10	•
1	ditto		32	4	17	0	ditto			4	•
I					17	0	Poldice Mines	55	 2	14	6
I	North Treskerby	y	49	6	11	6	ditto			12	6
ł	ditto		48	G	11	6	Tywarnhaile	9	 8	4	(
ı	ditto		44	4	2	6	-				

ı			201			THO TO COM					
ı	South Caradon	548	 £4547	15	0	Phoenix Mines	164	£	703	5	6
ı	Clifford Amalgam	464	 1853	5	6	Craddock Moor	125	****	822		0
ı	North Treskerby	224	 1148	5	6	West Caradon	93		457	6	6
l	Glasgow Caradon.	217	 958	5	6	Poldice Mines	90		381	15	0
ı	Wheal Rose	170	 876	2	0	Tywarnhaile	8		25	12	0

COMPANIES BY WHOM THE ORES WE	RE PURCHASED.
	ns. Amount.
Vivian and Sons 55	9 £2026 7 0
Freeman and Co	4 641 7 0
Grenfell and Sons 11	
Sims, Willyams, and Co 13	
Williams, Foster, and Co 41	9 2589 18 0
Mason and Elkington 40	
Bankart and Sons 15	5 653 12 6
Copper Miners' Company 18	6 864 8 0
Charles Lambert	8 25 12 0
Total 210	3 £11,773 13 6

Copper ores for sale at Tyack's Hotel, Camborne, on Thursday next—Mines and parcels.—Wheal Scton 846—West Wheal Scton 567—Clifford Amalgamated 500—South Wheal Crotty 440—West Tolgus 356—Wheal Basset 139—East Pool 118—Cara Camborne 50—South Crinnis 40—Dolcoath 39—Tresavean 30—East Wheal Basset 26.—Total, 3161 tons.

Wheai Basset 26.—Total, 3161 tons.

Copper ores for sale at Tabb's Hotel, Redruth, on Thursday week—Mines and
Parcela.—Prosper United 422—Carn Brea 336—Crenver and Abraham 2:4—Par
Consols 127—East Carn Brea 143—Great South Toigus 130—North Downs 127—
Wheai Emily Henrietta 93—New Troleigh 23—Melianear 22—Buglehole's Ore 21
—South Dolcoath 29—Rosewarne United 59—Rosewarne Consols 18—Huthnance's Ore 13—Old Pembroke 3.—Total, 1827 tons.

We have a few volumes of the MINING JOURNAL for 1867, neatly bound, which can be had, price 30s., either direct from the office, or through any bookseller or news agent.

60

# Foreign and Colonial Government Trust,

IN CERFIFICATES OF £100 EACH,

TO BE ISSUED AT £85. BEARING SIX PER CENT. INTEREST.

The object of this Trust is to give the investor of moderate means the same advantages as the large capitalist, in diminishing the risk of investing in foreign and colonial Government stocks, by spreading the investment over a number of different stocks, and reserving a portion of the extra interest as a sinking fund to pay off the original capital.

A capitalist who at any time within the last twenty or thirty years had invested (say) £1,000,000 in ten or twelve such stocks, selected with ordinary prudence, would, on the above plan, not only have received a higher rate of interest, but by this time have received back his original capital by the action of the drawings and sinking fund, and held the greater part of his stocks for nothing. Some parties, believing it would be a convenience to the public if such a mode of investment were made generally accessible, have made arrangements by which well-selected Government stocks, to the value of £1,000,000 sterling, will be placed in the names of the

following trustees, viz.:

THE RIGHT HON. LORD WESTBURY.
THE LORD EUSTACE CECIL, M.P.
G. M. W. SANDFORD, Esq., M.P.

GEORGE WODEHOUSE CURRIE, Esq.

PHILIP ROSE, Esq.

G. M. W. SANDFORD, Esq., M.P.

The following stocks, being all dividend-paying stocks of foreign or colonial Governments, currently dealt in on the London Stock Exchange, have been selected for the investment, viz.:—Austrian, Australian, Argentine, Canadian, Brazilian, Chilian, Danubian, Egyptian, Italian, Nova Scotian, Peruvian, Portuguese, Russian, Spanish, Turkish, and United States Ten-Forties, payable in gold: not more than £100,000 being invested in the stock of any one Government.

These stocks will be made over to the Trust at the prices quoted in yesterday's official list (18th March) as certified by two eminent brokers, plus £2 10s. for each £100 of stock, for which all expenses of the purchase and issue, including stamps, &c., have been undertaken.

brokers, plus £2 10s. for each £100 of stock, for which all expenses of the purchase and issue, including stamps, &c., have been undertaken.

The prices and specific amounts of each stock are specified in the schedule to the contract and trust deed.

The average rate of interest of the investment in the above stocks is 8 per cent., and a large number of them, purchased considerably below par, will be repayable by drawings at par, within the period of the Trust.

Against this investment of £1,000,000 will be issued 11,765 certificates of £100 each, with half-yearly coupons, bearing £6 per cent. interest, payable at the banking-house of Messrs. Glyn, Mills, Currie, and Co., 1st March and 1st September, the first coupon falling due on 1st of September pays.

interest, payable at the banking house of Messrs. Glyn, Mills, Currie, and Co., 1st March and 1st September, the first coupon falling due on 1st of September next.

The price of issue will be £85 per cent., thus yielding an annual interest of 7 per cent., without reckoning the advantage of being repaid at par, and without including the value of the reversion of the stocks purchased.

The excess of interest, after paying the 7 per cent. interest to the subscribers, and the amount received from drawings, will, after payment of expenses, be applied as a sinking fund in repaying the certificates at par by annual drawings, which are to be made in the presence of a notary public in the month of February in each year.

According to a Table prepared by Mr. Jellicoe, late President of the Society of Actuaries, the whole of the 11,765 certificates will, in all probability, be thus paid off in 24 years, and there will remain stocks to the amount of £909,409, nominal capital, for distribution as a reversion; accordingly, the Trust will be wound-up as soon as all the certificates have been drawn, or at the end of 24 years, whichever shall first happen; the remaining stocks being then sold, and the remaining certificates, if any, paid off.

In addition to the coupons for the half-yearly interest, a coupon, representing the share accruing to the certificate-holders in the above reversion, will be attached to each certificate. This coupon of reversion will be retained by the holder when his certificate is drawn.

drawn.

The arrangements thus made will secure the following advantages to the subscribers:—

1.—Interest at 7 per cent. on the amount subscribed.
2.—A bonus of 15 per cent, by the repayment of capital at par within 24 years.
3.—A reversion, calculated by Mr. Jellicoe at upwards of £900,000 nominal capital, eventually divisible among the subscribers. If by the default or delay of any foreign Government the dividends and drawings received in any year should be insufficient to pay the full amount of interest on the certificates, the deficiency will form a first charge upon the subsequent receipts, subject only to

by the full amount of interest on the certificates, the deficiency will form a first charge upon the subsequent receipts, subject only to the annual allowance for expenses.

The object being to give the fullest confidence in the security of the Trust fund, the stocks will remain, under the control of the trustees, at the bank of Messrs. Glyn, Mills, Currie, and Co., till the termination of the Trust, and the trustees will be empowered to draw dividends, receive capital repaid, &c., and apply the amount received in interest and sinking fund according to the Trust deed. A power of sale, under special circumstances, will be vested in the trustees and a committee of certificate-holders, to be chosen at general meetings, held annually for the purpose, and for receiving a report and accounts from the trustees. Auditors at the same time will be appointed to make periodical inspections of the securities of the Trust, and any vacancies in the Trust will be filled up. The ordinary expenses of management in the Trust are limited to a sum not exceeding £2500 per annum. No other expenses can be undertaken without the assent of the certificate-holders' committee.

Within two months after the closing of the subscription a general meeting of the certificate-holders will be convened, for the purpose of appointing a committee, in terms of the Trust deed.

Application must be made on the annexed form, accompanied by a deposit of £10 per cent.

In cases where no allotment is made, the deposits will be returned without deduction, and where the certificates allotted are less than the number applied for, the surplus deposits will be credited towards the allotment.

Payments to be made as follows:

On application

On application

as follows :—	
On application £	10
On allotment	5
	25
15th June	20
-	
15th May 15th June	25 25 20

Subscribers may anticipate their payments on the days when any of the instalments fall due, being allowed a discount at the rate

The contract provides for the delivery of the stocks on the 30th March, from which date the account will bear interest at £4 per cent. per annum until the purchase is completed.

Provisional certificates will be issued on allotment, and the final certificates with interest coupons attached, and also the coupons

of reversion, will be issued immediately after payment of the final instalment.

As the principle of the measure does not depend on the amount subscribed, if a substantial part only of the £1,000,000 should be allotted, the arrangement will be carried out with a pro rata reduction of the amount of each stock made over to the Trust.

As the payments are received from the subscribers by the bankers they will be exchanged for stocks, to be handed over to the

The contract and Trust deed, together with forms of the certificates, and the actuary's tables, may be seen at the offices of Messrs. Baxter, Rose, Norton, and Co., 6, Victoria-street, Westminster Abbey.

Prospectuses and forms of application may be obtained of Messrs. Baxter, Rose, Norton, and Co., Solicitors, 6, Victoria-street, Westminster Abbey; and at Messrs. GLYN and Co., Bankers, Lombard-street, where all subscriptions must be paid.

London, March 19, 1868.

#### FOREIGN AND COLONIAL GOVERNMENT TRUST.

To the Trustees of the Fund (care of Messrs. Baxter, Rose, Norton, and Co., 6, Victoria-street, Westminster, London).

Having paid to Messrs. Glyn and Co., to the account of the Foreign and Colonial Government Trust, the sum of £ as a deposit on certificates of £100 each in the said Trust, I request you to allot to me that number of certificates, and I engage to pay the further instalments upon that or any lesser number that you may allot to me, as the same shall become due, in default of which my previous payments will be liable to forfeiture.

Address Signature ...

Addition to be filled up if the applicant wishes to pay in full. I desire to pay up my subscription in full, receiving discount thereon at the rate of £4 per cent, per annum.

Signature .....

#### WATSON BROTHERS' MINING CIRCULAR.

WATSON BROTHERS, MINING AGENTS, STOCK AND SHARE DEALERS, &c. 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

I, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

MESSRS. WATSON BROTHERS beg to notify to their friends and the public generally that Mr. W. H. CUELL has retired from the firm, in accordance with a clause in the deed of partnership; and having also sold to the remaining partners all his right, property, and interest in the business hitherto carried on by J. Y. WATSON, F.G.S., NAPOLEON FREDERICK WATSON, and himself, under the name of "WATSON and CUELL," the same will be carried on in future by Mr. J. Y. WATSON and Mr. N. F. WATSON, under the designation of "WATSON BROTHERS," and they take this opportunity to return their most sincere thanks for the great patronage bestowed and confidence reposed in the firm for 24 years, and to assure their friends and clients it will be their carnest endeavour to merit a continuance of both.

Messrs. WATSON BROTHERS have made arrangements for continuing their weekly Circular, which has had a large circulation for many years, to the columns of the Mining Journal, their special reports and remarks upon mines and mining, and state of the share market, will in future appear in this column. In the year 1843, when Cornish mining was almost unknown to the general public, attention was first called to its advantages, when properly conducted, the "Compendium of British Mining," commenced in 1837, and published in 1843, by Mr. J. Y. WATSON, F.G.S., author of "Gleanings among Mines and Miners," "Records of Auctent Mining," "Cornish Notes" (drevens and Miners," "The Progress of Mining," with statistics of the Mining Interest, annually for 21 years, &c., &c. In the Compendium, published in 1843, by Mr. J. Arrson was the first to recommend the system of a "division of small risks in several mines, ensuring success in the aggregate," and Messrs. WATSON BROTHERS have always a selected list on hand. Perhaps at no former emboldened to offer, thus publicly, their best services to all connected with mine or the market, as they have for so many years done privately, through the medium of their own Circul

the haract, own Circular, mu of their own Circular, desers. WATSON BROTHERS transact business in the purchase and sale of ning shares, and other securities, payments of calls, receipt and transmission

of dividends, obtaining information for clients, and affording advice, to the best of their knowledge and judgment, based on the experience of more than 30 years active connection with the Mining Market.

Messrs. WATSON BROTHERS also inform their clients and the public that they transact business in the public funds, railway, docks, insurance, and every other description of shares dealt in on the Stock Exchange.

Messrs. WATSON BROTHERS are also daily asked their opinion of particular mines, as well as to recommend mines to invest or speculate in, and they give their advice and recommend mines to the best of their judgment and ability, founded on the best practical advice they can obtain from the mining districts, but they will not be held responsible, nor subject to blame, if results do not always equal the expectations they may have held out in a property so fluctuating as mining.

Messrs. WATSON BROTHERS having agents and correspondents in all the

Messrs. WATSON BROTHERS having agents and correspondents in all the mining districts, and an extensive connection among the largest holders of mining property, have the more confidence in tendering their advice on all matters relating to the state and prospects of minos and mining companies, and are able to supply shares in all the best mines at close market prices, free of all charge for commission.

PRINCE OF WALES.-At the special meeting, held on Saturds PRINCE OF WALES.—At the special meeting, held on Saturday, for the purpose of taking into consideration the reduction of the number of shares, the writer (who was in the chair) held proxies for 370s shares, and letters from 10 other holders representing 300 shares more in favour of the reduction: total, therefore, independent of our own holding, 400s. The proxies against the division were two, representing 695 shares. Several large holders attended the meeting, and among these the majority in favour of reducing the shares to 3200 was certainly ten to one; but as one gentleman, holding 575 shares, sent in with his proxy a protest against the division (on the ground that it would interfere with the market for shares), and there seemed to be a doubt whether it could be legally carried out if any one shareholder protested against it, the meeting was adjourned to obtain a legal opinion upon the point.

SATURDAY, MARCH 21.—The market is very active to-day for Prince I Wales shares, at 55s. to 57s. 6d.; Grenville. 31s. to 33s.; Great Retallack, 2½ 3; Chiverton Moor, 6¾ to 7; Chiverton Valley, 4¾ to 4¾; Chontales, 4¾ to 4; West Seton, 195 to 305.

MONDAY.—Market active for Chiverton Valley, Great Retallack, Grenville, nlier, West Frances, West Chiverton, South Herodafoot, and Seton. Prince of

Wales, 55s. to 57s. 6d.; Chiverton Valley, 4½ to 5; Chiverton Moor, 655 to 67s; Wheal Buller, 12 to 13; West Chiverton, 64 to 66; South Herodefoot, 26s. to 25s.; Grenville, 34s. to 36s.; Wheal Mary Ann, 21 to 22.
TUSSDAY.—The market is very quiet to-day, and in most cases prices are nominal. Prince of Wales, 54s. to 35s.; Chiverton Valley, 4½ to 5; West Frances, 32 to 34; Grenville, 35s. to 37s. 6d.; West Chiverton, 64 to 66.
WEDNESDAY.—The market continues inactive, and prices are about the same as yesterday. Chontales, 4½ to 4½; Chiverton Valley, 4½ to 5; Prince of Wales, 53s, to 55s.; Grenville, 34s. to 36s.; West Chiverton, 64 to 66; and West Frances, 32 to 34.

THURSDAY.—The market very quiet, and prices generally nominal. Prince of West Frances, 52s. to 55s.; South Frances, 22 to 23; West Chiverton, 64½ to 66.; West Frances, 33 to 35; Chontales, 4½ to 4½; Chiverton Moor, 63% to 63%; Great Wheal Vor, 18 to 12.

Yor, 18 to 12. FRIDAY.—Market rather more active. Buller, Grenville, West Seton, West Chiverton, North Downs, and West Frances in good demand. Prince of Wales, 53s. to 55s.; West Chiverton, 64½ to 66; Wheal Buller, 12 to 13; Wheal Gren. ville, 33s. to 35s.; Mary Ann, 21 to 22; Chiverton, 4½ to 5; Chontales, 4½ to 4½.

#### Notices to Connespondents.

GOLD AND SILVER.—I should feel obliged if any of your readers could state the buyers of copper regulus, containing about 50 per cent, of copper, 30 per cent, of lead, 1 oz. of gold, and 30 ozs. of silver to the ton.—A. K.: Gothenburg.

of lead, 1 oz. of gold, and 30 ozs. of silver to the ton.—A. K.: Gothenburg.

CORNISH TICKETINGS—"J. H." (Cornhill).—The fine copper and averages, published in last week's Mining Journal as the results of the sale at Turnovsy March 19, were accurately copied from the official Ticketing Paper, but the latter was obviously incorrect, the price 14s. 10d. per unit for ore with tough cake copper at 16l. being absurd. It is probable that the quantity of fine copper should have been stated at 22 tons 12 cwts. (not 218 tons 12 cwts.), which would have given 14s. 2d. per unit, and 70l. 18s. per ton of copper in the ore; whilst the produce of the ore would have come out 63s, for which produce 4l. 9s. 6d. per ton, the price actually pald, was fair and proper, and the standard about stationary, as stated.

COPPER TABLE.—"L. L." (near Manchester).—Copper in the London market is

COPPER TRADE.—"J. L." (near Manchester).—Copper in the London market is always sold 20 cwts. to the ton.

always sold 20 cwts, to the ton.
TECHNICAL EDUCATION.—In recording Mr. Buckmaster's lecture at Merthyr
Tydvil, Mr. Benjamin Rogers states that "the lecturer observed, in explaining
the conditions upon which instruction was aided by the Science and Art Department, that not one of the continental Governments devoted anything approximating to the sums voted by our Government towards educating the
workpeople and their children in both elementary and technical knowledge,"
and as I have no doubt as to the fact of the statement, may I ask whether it
does not prove that all the noise about the want of technical instruction in
this country is unjustifiable?—R. S. B.

this country is unjustifiable?—R. S. B.

PRSTABERA UNITED GOLD MINING COMPANY—"L. Lay" (Cham, Switzerland).—
The complaints made with regard to the Italian management of this company having been brought prominently to the notice of the shareholders by the letters already published, the continuation of the discussion would be neither useful nor interesting. The mere circumstance of Mr. Lay bringing accusations against Messrs. Francfort and Franzi, and of these gentlemen bringing counter-accusations against Mr. Lay, amounts to nothing without substantiation; each party should, therefore, take care to be present at the meeting shortly to be held, and at which the directors have decided that a full investigation shall take place. The opportunity will be there afforded for the accuracy of all statements made to be proved or disproved, which will be far more satisfactory to the shareholders than mere personal recriminations.

#### THE MINING JOURNAL,

Bailway and Commencial Gazette.

LONDON, MARCH 28, 1868,

THE WORLD'S SUPPLY OF COAL AND IRON.

THE WORLD'S SUPPLY OF COAL AND IRON.

The readers of the Journal have been kept informed of the views expressed in this country by Mr. ABRAM S. HEWITT, the ironmaster and railway director of America, upon the leading features of the coal and iron industries of Europe, and of the labour questions associated with those industries in respect alike of Europe and America. In a yet more comprehensive manner than he has expressed his views before the Trades Union Commissioners of this country, Mr. HEWITT has just spoken in an American Blue Book of considerable bulk. The document takes the shape of a report upon the Iron and Steel Industry of the World, written by Mr. HEWITT as one of the United States Commissioners to the Paris Exposition. The author has made calculations, from which he assumes that, allowing for the production in barbarous countries, and something for the use of scrap-iron, the aggregate annual make of iron in the different countries of the world is 9,500,000 tons. Taking the entire population at 1,000,000,000 would give 20 lbs. of iron per head, but a careful calculation has enabled Mr. HEWITT to set down 189 lbs. per head for England, the same for Belgium, 69½ lbs. for France, and somewhat under 100 lbs. for the United States. Estimates of a curious, though not very serviceable, character are then made to show how enormous would be the quantity which the world would require every year, supposing that its industry were as fully developed as is that of Great Britain, or the United States, or France respectively. Proceeding, then, to sketch the natural facilities for the carrying on of the iron trade in the various continental nations in which that metal is now being produced, he shows that no people can supply the world's requirements but the people of England and America, always supposing that we have to be dependent upon coal for the smelting of iron ores. Great Britain already produces nearly one-half of the aggregate of iron used in the world. But the extent to which this country will continue to

can nation adopts the first of the two courses now pointed out to her by an authority than whom there cannot be a higher upon the subject in the whole of America, the better, not alone for the men who are engaged in the vain attempt to make iron at prices which shall compete with those of this country, but also for the great body of consumers there, who are being made to pay so enormously to enable the American ironmasters to prolong the unequal competition. For what hitherto have the ironmasters there gained by the contest? Let Mr. HEWITT himself speak. In his evidence before the Trades Union Commissioners, on July 16, he said—"The iron business of the States has certainly been the source of immense losses. I have testified here before (noticed at the time in the Journal) of the nurber of ironworks that have been sold out, and I doubt whether whould point to 10 families in the United States which have been succould point to 10 families in the United States which have been successful in the iron business."

But, not with standing the futility of the struggle which the American But, not with standing the futility of the struggle which the American ironmasters are now carrying on with us, Mr. HEWITT would not, if he could, delay the time of the United States' opportunity until we have exhausted the profitable working of our coal mines. He does directly advocate the adoption of the second of the two courses which he has pointed out as now open to his country, because, as was shown in the Journal of Dec. 21, he believes in the gradual advance of free trade principles amongst the better educated of his countrymen. Nevertheless, he is an advocate for protection in another shape. It is protection of the class which lies at the foundation of all the Trades Union restrictions. He charges the ironmasters of Great Britain with having restrictions. He charges the ironmasters of Great Britain with having

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brought about that state of things which, he says, makes the iron trade brought about that state of things which, he says, makes the iron trade of France, for instance, to depend on the labourers engaged at the works there having meat as food only once a week. "Any change," he writes, "in this condition of affairs, involving a change in the remuneration paid to the common labourer, would put it out of the power of the iron masters of France to carry on their business in competition with Belgium and England, in the absence of a high tariff on imports." Substantially the same state of affairs prevails in reference to remuneration, Mr. HEWITT alleges, in Belgium as in France. This abnormal rate of payment, as Mr. HEWITT would affirm, has been brought about by the determination of the English ironmasters to possess the martens of the result of the exclusion of native makers in their reby the determination of the English frommasters to possess the mar-kets of the world, even to the exclusion of native makers in their re-spective countries. His remedy is for all women employed about mines and ironworks to be dismissed, with all children up to a certain age. The age at which children begin to work in America he stated before

and ironworks to be dismissed, with all calidren up to a certain age. The age at which children begin to work in America he stated before the Commissioners, in the following reply to the Earl of Lichfield.

"As a general rule, it is a rare thing to see young children, not 13 or 14, in any physical employment, very rare indeed." He admits our recent legislation in respect of the employment of women and children tends in that direction, but he desires to see the change more marked. As to the employment of women at the British collieries and ironworks, Mr. Hewitt can hardly be aware how very triffing is the advantage in the question of cost upon the ton of iron or coal which results where they are employed; and those cases, it should be remembered, are, as compared with the whole of the country, an exception; and even in the cases of exception, the ratio of women, as compared with men, is very small. Where the women are most employed in the ironworks—namely, South Wales—their employment effects a saving, as compared with the employment of men, of scarcely more than 3d. a ton in the price of the iron produced. We venture to assert that the iron and coal masters of Great Britain would care hardly a fig if the Legislature should to-morrow determine to proto assert that the iron and coal masters of urear bright whome care hardly a fig if the Legislature should to-morrow determine to prohibit the employment of women about collieries and ironworks in any respect; and, independently of our own convictions, previously formed, we have it upon the authority of Government officials, who are now charged with the carrying out of the new labour laws, that the ironmasters regard it as a boon, so far as their own personal profit the frommasters regard it as a boon, so that as their own personal profit is concerned, that they should be prevented from employing boys younger than the ages at which they begin to work in America. The setting of them on has been an act prompted by a feeling of kindness to their relatives, who have solicited employment for them, and not

to their relatives, who have solicited employment for them, and not a desire to save money.

Mr. HEWITT'S expectation, therefore, that the restricting of the class of labour in Europe in the getting of coal and the making of iron will bring about that state of things which will raise the cost and selling price of the products, and make capital invested in their winning and making profitable, alike in Europe and America, affords only a further confirmation of the truth that the attempt of the Americans to make iron at a price which will compete with ourselves must continue to be attended with no better result than has already followed the effort. And Mr. HEWITT'S sketch of the natural re-

followed the effort. And Mr. HEWITT'S sketch of the natural resources of the continental iron-making countries shows that in a comparatively short time even the best of them—Prussia—will be able to do no more than supply their own wants.

If, owing to a somewhat prolonged time of depression in trade, the British ironmaster should be a little desponding just now, he may well take heart from the contents of the report of his distinguished American rival, who has demonstrated what most of us well knew, but we have the state of the report of the which at such times we are a little prone to forget—that, not even by America, where such prodigious things are accomplished so easily, and where the iron resources are too vast for computation, can be be beaten out of the iron-consuming markets of the world. deed, even with enormous protective tariffs, can be be kept out of the market of that country itself.

#### STEEL FROM CLEVELAND IRON.

The application of Cleveland iron almost daily becomes more ex-The application of Cleveland from almost daily decomes more extensive, and the recent successes of Mr. HARGREAVES, of Darlington, in its conversion into steel does much to prove that it is capable of being turned to even further advantage than has hitherto been considered at all practicable. A highly interesting paper has been read before the Cleveland Society of Engineers "Upon a New Process of Manufacturing Steel from Cleveland Iron;" and, as the result of the introduction of Mr. HARGREAVES'S invention would be to materially cheaven the cost of steel it is segregly possible to over estimate its cheapen the cost of steel, it is scarcely possible to over estimate its importance. Mr. HARGREAVES observed that the manufacture of iron is essentially a chemical one, and that the application of the skill of the chemist, as well as that of the engineer, is essential to its further improvement and development is becoming more extensively recognised; and it is owing to the fact that the chemical reactions of iron and its compounds have become more extensively and thoroughly understood that the manufacture of iron in its most durable of iron and its composinds have become more extensively and thoroughly understood that the manufacture of iron in its most durable and valuable condition—that of steel—has been within the last few years so greatly developed; and it is evident that its further development will greatly depend upon the application of chemical laws. In 1861 his attention was first attracted to this subject by the published discussions between Messrs, CARON and FrEMY. But the processes the theory and practice of which they discussed involved the very round-about mode of obtaining steel by cementation from malleable iron. Now, cast-iron contains within itself all the elements requisite to form steel, with the exception of a very small proportion of nitrogen, and whether the latter element was really an essential constituent of steel was the chief matter in dispute, Mr. CARON asserting the negative and Mr. FREMY the affirmative.

The material which Mr. HARGHEAVES finds best suited for effecting the conversion of the iron into steel is nitrate of soda, and he remarks that he is placed in the somewhat strange position of an inventor, congratulating himself upon being partially anticipated in his invention. Shortly after securing his second patent, which was for an improved method of holding the oxidising materials below the fused metal till decomposed, and of regulating the rapidity of their action, he found that not only had nitrates and chlorates been used before for the manufacture of steel and iron, but the mode of using them—by placing them at the bottom of the converting vessel—had also been used for this purpose; and he learnt a few days against the search and the careful pages and the learnt a few days against the search and the converting vessel—had also been used for this purpose; and he learnt a few days against the search and the careful pages and the learnt a few days against the search and the careful pages and the learnt a few days against the search and the careful pages and the learnt a few days against the careful page

using them—by placing them at the bottom of the converting vessel—had also been used for this purpose; and he learnt a few days ago that nitrate of soda has been used with this object in view even in the North of England. But the persons using these saits had taken no further step than to place them in a loose condition at the bottom of the converting vessel, taking no precaution to hold them there till accomposed, or to regulate the explosive violence of their action. One decomposed, or to regulate the explosive violence of their action. One of these proposals was secured by patent more than ten years before the date of the Bessemer patents for the pneumatic process, but was made in the somewhat impracticable shape of pushing the salt to the bottom of the fused metal in packets of brown paper. Another mode bottom of the fused metal in packets of brown paper. Another mode was to force it through a tube to the bottom of the fused iron. To convert cast-iron into steel it is necessary that the quantity of carconvert cast-iron into seel it is necessary that the quantity of carbon which is in excess of that required to form steel should be extracted; and also the whole of the silicium, sulphur, and phosphorus, or at most leave only slight traces of the latter elements. The first element removed is the silicium, which is effected by the oxygen of the nitrate of soda, or other oxidising salt, converting it into silicic acid, while the soda forms a base to combine with the silicic acid, or earbonic oxide grees, and the sulphur and phosphorus are in a great part re-

form compounds with them, and thus freeing the iron from it. The manufacturer is thus reduced to the necessity of either rendering his ores as free as possible from phosphoric acid in the first instance, or else separating the phosphorus from the cast-iron after it is made, or send out an article depreciated in value. The remarkable deteriorating effects of phosphorus in iron furnish a curious, and striking, illustration of Lord PALMERSTON'S definition of "dirt"—matter in the wrong place. The phosphorus in Cleveland iron, which so seriously reduces its value in the market, and renders it necessary to bring iron from other districts to mix with the iron of the district in the waldling furnaces and to use the ores of other district in the prod from other districts to mix with the iron of the district in the puddling-furnaces, and to use the ores of other districts to mix with its own, would—if extracted, even in its lowest priced form, as a manurial ingredient—be worth at least 562, per ton; as 1 ton of phosphorus is equal to 2 tons 5 owts. of phosphoric acid, or 4 tons 10 owts, of the highest qualities of Patagonian, or 7 tons of Peruvian guano. There is, therefore, a tolerably good margin for working expenses if the process by which the phosphorus is extracted is carried out on tolerably economical principles. For instance, iron which is now worth 47s. per ton when containing 1 per cent. of phosphorus, would, if freed from this element, be worth at least as much as hematite or (say) 54s. per ton.

At the conclusion of the paper, which was attentively listened to At the conclusion of the paper, which was attentively listened to throughout, the entire meeting adjourned to examine the working of the process at the works, and upon their return a very interesting discussion took place. Mr. MARTIN explained that in Mr. HEATON'S process the iron manufactured from tap-cinder was melted in an ordinary cupola, and then run into a converter, which, in fact, was in almost every way similar to a common cupola, except that the bottom of it was false. Nitrate of soda, which was the article exclusively used, was placed in this false bottom in the proportion of 7 lbs. to 100 lbs. of iron, to be experimented on. Over the nitrate of soda a perforated cast-iron plate was laid. This plate was a little larger than the lining of the upper portion of the converter, so that when the force of the gases was beginning to be evolved the perforated plate could not rise, being held down at the corners by overhanging brickwork. The tan-cinder iron was then run into the conhanging brickwork. The tap-cinder iron was then run into the converter, and so smelt of sulphur that he could not put his nose within one yard of it. When the iron was run into the converter an immediate and violent ebullition took place, which lasted about a minute and three-quarters, and large fumes of some peculiar kind were evolved, but soon passed away. The quantity of iron was about 10 owts. The tapping hole was opened in about a minute and three-quarters, when the converted material was run out into a ladle, and thence into ingot pigs, about the same shape and size as Mr. BES-

Mr. WHITWELL stated that Mr. HARGREAVES had brought a chisel made from Cleveland iron to their works, the edge of which on ham mering very hard at a piece of chilled iron was only dimmed. An experiment of a similar kind was then made with the best Sheffield steel, when the edge of the tool was turned completely up. The turner at the works declared that he had never seen a similar quality of steel. Mr. GJERS was quite under the impression that steel might be produced, after a portion of the phosphorus had been removed, by putting refined metal into a puddling furnace and working it there. Mr. GROSSLING remarked that, if phosphorus could be removed, it was contrary to all past experience; and, if steel could be produced from Cleveland iron, phosphorus had not the effect upon steel they had been led to suppose it had. It was only for the sake of knowing whether Mr. land iron, phosphorus had not the effect upon seel they had been led to suppose it had. It was only for the sake of knowing whether Mr. HARGREAVES could confirm their suppositions, or disprove them, that he had put his questions. Mr. HARGREAVES declared that nothing gave him greater pleasure than to hear such questions asked, no matter whether they were favourable or the reverse. He was perfectly willing to stand by the value of the article which was to be produced, and, of course, he must in practice stand or fall by its merits. Mr. THOMAS WHITWELL enquired the reason Mr. BESSEMER could not use Cleveland iron? Was it because of the presence of phosphorus? And, if other people could use it, were they to conclude that the phosphorus waseliminated? Mr. HARGREAVES answered that the BESSEMER process did not remove the phosphorus from the iron, for reasons he was was eliminated? Mr. HARGREAVES answered that the BESSEMER process did not remove the phosphorus from the iron, for reasons he was not allowed at present to state. It was one of the more recent things he had worked out, and he was securing fresh patents for the discovery. It was a well-known fact that the proportion of phosphorus left in the iron after the BESSEMER process was greater after it came out of the converter than when it was put in, and scarcely a particle of it got into the slag. This was caused by the quantity of iron being reduced, and the phosphorus remaining as it was. Mr. JONES submitted for inspection a sample made from iron by a new process, which had changed the fibrous formation of the bloom into a crystal. He thought that the fact of a 6-inch source bloom changing its fibre into thought that the fact of a 6-inch square bloom changing its fibre into a crystal, where carbonic gases had passed through it, would lead to important results. The specimen he showed was not made from Cleve-

land iron, but it could be so. land iron, but it could be so.

Mr. Crossling enquired how much nitrate of soda would be required, supposing they had pig-iron containing the same percentage of carbon and silicon as that which they had seen experimented on, and an additional 1½ per cent. of phosphorus? He thought, if they were to produce phosphate of soda containing three equivalents, it would take 350 lbs. of nitrate of soda alone to remove the phosphorus from 1 ton of iron. Mr. HARBERAUS believed that Mr. CROSSLING. from I ton of iron. Mr. Hargreaves believed that Mr. Crossling had gone on the assumption that there was 10 per cent. of phosphorus, and not 1 per cent. He was wrong by a decimal. Analysis proved by practical experience that in the puddling operation about three-fourths of the quantity of phosphorus was removed. Mr. Barrett, in proposing a vote of thanks to Mr. Hargreaves, said that he had been exceedingly interested with his explanations that evening. Mr. Hargreaves appeared thoroughly well up in his subject, and he had drawn forth from some of the chemists present some remarks which he had treated and met in a very able manner; and he trusted the result of his researches would be to teach them to make steel properly. Mr. Pearson (manager to Head, Wrightson, and Co.) suggested that Mr. Hargreaves should take the opportunity of working up his samples in some neighbouring works, and show them the results at their next meeting. from 1 ton of iron. Mr. HARGREAVES believed that Mr. Crossling at their next meeting.

#### PRUSSIAN MINING AND IRONWORKS COMPANY.

PRUSSIAN MINING AND IRONWORKS COMPANY.

Reference was made in last week's Mining Journal to the mines of the Prussian Mining and Ironworks Company; and, in accordance with the promise of further particulars concerning the progress of the Zollern Colliery winning up to the present time, our Düsseldorf correspondent has furnished a very complete and interesting narrative. The colliery, as now possessed by the company, comprises a coal field of 3000 English acres in extent, lying westward of that of Hansa, and southward of that of Erin, both belonging to the same company, and with both of which it is directly connected, the whole three forming one great coal field of about 7500 acres. The site of the Zollern winning is about 3½ miles north-west of the the town of Dortmund, upon 21 acres of land purchased for the purpose by the original company, in the year 1856, who built thereon the present extensive and massive buildings, calculated for two shafts, with engine and boiler-houses, a chimney upwards of 260 feet high, as well as the workshops, offices, and dwelling-houses for workmen and officers; erected the powerful engines requisite for the permanent pumping and winding, as well as those for the temporary sinking operations; commenced the sinking of two shafts at a distance of 100 ft. apart, and proceeded with the same to a depth of about 32 fms., when, as already mentioned, the works were suspended in September, 1859, owing to the difficulty of overcoming the water-feeders, and the pecuniary embarrassments of the company.

depth of about 23 fms., when, as already mentioned, the works were suspended in September, 1859, owing to the difficulty of overcoming the water-feeders, and the sulphur and phosphorus are in a great part removed as sodic compounds. In working out his invention so as to render it practicable it was necessary to have some means of regulating the rapidity of the action of the oxidising salt. This he effected by mixing the salt with some inert compound, and he further found that oxides of iron and manganese, while thus acting as retarders and regulators of the action of the salt, also by affording oxygen, enabled him to effect a considerable saving in the quantity of oxydising salt used, and also increase the quantity of steel produced. The ores of the Cleveland district have some marked peculiarities, which especially commend them to the attention of chemists. The most prominent disadvantage under which the iron-makers of this district labour is that of the presence of phosphoric acid in theores. The phosphorus has the property of remaining in combination with the reducing action of the blast-furnace; and other basic substances, such as lime, baryta, soda, potash, &c., have, under these conditions, no effect as counter agents, by causing the phosphorus to

fectly dry, to that if the upper water be properly shut off by 'tubbing the re mainter of the sinking can be carried on without any pumps whatever, as is mainter of the sinking can be carried on without any pumps whatever, as is maintered to the sinking can be carried on without any pumps whatever, as is maintered to the sinking sink in the same adjustment. A survey of the sinkings in the same adjustment of the sinkings in the herizontal partings of the green mari, or of the lower portion of the overlying grey mart, and in some cases, as here at Jollern, at Hansa, and at most of the sinkings in the neighbourhood of Dormand, that partion of the most of the sinkings in the neighbourhood of Dormand, that partion of the horizontal beds, which not only serre to concentrate the feeders, but also render [1, of course, impracticable to tub them off until a sound foundation can be had in one of the horizontal beds into which these vertical fissures have not penetrated, and the same and t

in these changes had been effected, there was no further almostly experienced of 600 cubic feet per minute (Rheiniand measure, equal to about 660 cubic feet, or 4125 galions English), and at length on Nov. 13 the men were able to work in the bottom.

In consequence of the continued pumping of this large quantity of water, all the wells in the neighbourhood were laid dry, so that the company was obliged to take measures for providing the inhabitants with drinking water; while on the other hand, the water-courses between the colliery and the principal stream of the district had to be enlarged, in order to avoid damage to the adjoining lands by flooding. In the unwatering course from the colliery, just at the mouth of the adit already meutioned, a carefully constructed overfail was provided, with the water-board exactly? It. in length, and with a graduated gauge above it, by which the exact depth of water passing over the waste-board could at all times be noted, and the quantity discharged be seen by reference to a table calculated for the purpose, thus affording a means of correctly measuring the feeders, and of testing the performance of the pumps. Upon examining the bottom of the shart, just below the level of the great feeders, where preparations had been partly made by the former company for the production of a brick and cement wall, with which it had been hoped to shut off the water, it became apparent that if a foundation were to be taken there for tubbing it must be for a tub of 17 ft. diameter (Rheinland, equal 17 ft. 6 in. English measure) instead of which size of shaft the east-iron cribs and segments of tubbing were already on the ground at Zollern. This unusual size rendered it necessary that the segments should be made to great strength, and great exertions had to be made to have the castings prepared in the shortest possible time, according to the new patterns fixed upon, at the company's foundry attached to their Vulkan Ironworks. The crib bed was cut out and prepared while the first eastings were

narrow footing between the same and the shaft-wall. The height of this length of tubbing is about 25 fms., and the weight of the cast-fron wedging cribs and tubbing exceeds 300 tons.

By the end of February this work was completed, and all made ready for plugging the holes in the third course of tubbing, which was, however, postponed for some days, while an attempt was being made to unwater No. 2 shaft, if possible, at the same time. This having been found impracticable without creeting and ditional engine at that shaft, it was determined to complete No. 1 shaft by itself for the present, and the tubbing was accordingly plugged on the 6th of the present month, and the water completely shut off, as already mentioned, so that the pumping was at once discontinued. A boring was then made in the bottom, to accreain the distance to, and probable amount of, the next feeder, which was found at a depth of 12 feet, but did not give more than so cubic feet per minute through the bore-hole. This feeder can be rapidly got through with the steam and pumping power now available, and it is not likely that any water of consequence will be met with below that level, so that it is expected the coal measures, which here it some 30 fathoms below the present bottom, will be reached in a few months. All the pumps have been since cleared out of the shaft, with the exception of the two 18-lich sets belonging to the winding engine, and the large 32-linch set, which is left in to be worked directly off the main engine spart, in case it should be found necessary while passing through the next feeder. After the plugging of the tubbing nearly a week elapsed before the water filled back through the district which had been affected by the pumping, and reached its former level at the back of the tubbing.

The progress and results of this work have been followed with much interest in this country, and its successful accomplishment is well cal-

interest in this country, and its successful accomplishment is well cal-culated, not alone to confirm the present company in their anticipacuinted, not alone to confirm the present company in their anticipations as regards their undertaking, but also to restore the confidence of the non-professional public in mining operations in this district (which confidence had been greatly shaken by the failure and suspension of the works at both Zollern and Hansa for so many years, and after so large an expenditure), by showing that, when proper means are used, the sinking through the marl formation, even when the water feeders are so unusually great, can be accomplished quickly and within feeders are so unusually great, can be accomplished quickly, and within reasonable limits of expense. In this case the greatest difficulty arose from the necessity of recovering a lost shaft. A new sinking, even from the necessity of recovering a lost shaft. A new sinking, even with the same quantity of water, but with the same appliances of steam power, would have been a comparatively easy undertaking. The same course of proceeding was recommended to the former company, so long back as the year 1860, by a professional commission, composed of some

of the principal Prussian mining officers, and Mr. MULVANY (who was then at the head of the Hibernia and Shamrock Collieries, and is now President of the Prussian Mining and Ironworks Company); but the original Zollernshareholdershad lost all faith in the undertaking, and preferred ultimately to sell their property for one-sixth of what it had cost. In connection with the modification in the system of working which has been introduced, it should be stated that the Prussian mining auhas been introduced, it should be stated that the resistant mining authorities, especially the heads of the department, have from the beginning highly approved of, and freely encouraged, the adoption of the North of England system of shaft sinking, as, indeed, they always show themselves ready to adopt real improvements, coming from any quarter. The works at Zollern, as well as those at Erin Colliery, were honoured on March 19 with a visit from the Ministerial Director in Earlis, Heav Cherchen, where Narray ways Nappa, and the Chief of the honoured on March 19 with a visit from the Ministerial Director in Berlin, Herr Oberghauptman Krug von Nidda, and the Chief of the Dortmund Oberbergamt, Berghauptman Prince Carvlath, accompanied by Geheimer Oberbergrath Kufer, and several other mining officificers and engineers, who inspected the shaft with great interest, and warmly expressed their congratulations to the representatives of the company upon the success of their difficult undertaking.

#### REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

MARCH 26.—The Preliminary Meeting of the South Staffordshire and East Worcestershire Ironmasters' Association has been held to-day at Birmingham. The attendance was large, and the discussion more than usually protracted. As intimated for some time back, a strong feeling has existed that prices and wages ought to have been reduced three months ago. Various proposals were brought forward, and ultimately it was resolved to reduce finished iron 10s, per ton, making bars 7t, and puddlers' wages 1s. per ton to 7s. 6d. The reduction in millmen's wages will be about 12 per cent.; this will deviate the propose of the price they obtained some two years ago.

duction in millmen's wages will be about 12 per cent.; this win deprive the men of one-half the rise they obtained some two years ago, in comparison with the official price of iron.

There is a degree of improvement apparent in the ironworks of North Staffordshire, but in the southern district of the county any increased activity is very partial and very slight. It is a question whether the South Staffordshire Iron Trade has ever undergone so protracted and severe a strain as that which has long made profit almost hopeless, has crushed down so many concerns, and is now try-ing to the utmost no few striving men. It has been said in this letter that the policy of the great ironmasters in declining to reduce wages that the policy of the great ironmasters in declining to reduce wages concurrently with other districts is believed to have been dictated by a desire to sweep out of the trade a number of firms which drag on in constant difficulty, which are always exposed to be squeezed down in price, whilst in any contest about wages they, from the absolute necessity of carrying on their business, cannot take any part in any general measure for reducing them to a rate proportionate to the selling price of iron. But not only do these firms pull down prices and hold up wages. Very often deficiency of cash or credit prevents them from buying the best material; and, as they cannot on account or their pecuniary necessities get a good price, they naturally lower their quality to their price, and thus attach discredit to the make of the district, which is attacking it in its most vital point. Undersuch circumstances one can hardly wonder at the impatience at the existence of this small fry, which is every now and again manifested, and ence of this small fry, which is every now and again manifested, and of which this abstinence from reducing wages is the latest example. Policy of this sort, however, usually fails, and such evils, as a rule, cure themselves best, though there is in this instance great excuse

for impatience.

Two circumstances concur in leading to the attempts of these mas ters with slender capital to become ironmasters. The first is the large number of unoccupied works to be had for a trifling rental, and which seem very good, except that their history is written in the archives of the Bankruptcy Court. But people are so apt to fancy they possess qualities the want of which accounts for previous failures, that they venture to woo fortune where her smiles have so often been but the prelude to ruin. Again, the custom of four months' bills gives unthe prelude to ruin. Again, the custom of four months of six gives unhappy facilities for men with small means to flourish for a time. They buy pig-iron and coal on credit, they sell as soon as they have produced any iron; and, not having to pay for five months for material, and at once turning their paper for their manufactured product into cash, they fill their pockets instead of emptying them by their early operations. As bills have to be met, it is necessary to create a larger

operations. As bills have to be met, it is necessary to create a larger amount of paper to raise the wind; and so the evil goes on increasing, the bank gets every stick and stone, the end comes, and the estate pays bankruptey expenses, and scarcely anything more.

It is pretty clear what are the circumstances under which the iron trade can be still carried on successfully in South Staffordshire. There are the old-established firms, whose brand is known and trusted, whose means save them from the necessity of bidding down prices, which have accounted in the property of who have every appliance—generally their own coal, mine, and pig-iron—and superior machinery. Then there are smaller men, who make good sheets, or small rounds, or draw wire, or produce moulded iron, used in mechanical construction, &c., or in smith's work. In all these cases quality is of the first importance, and if the owner of the works is a practical man, who watches every process, he may, with a local demand, do a safe, and fairly profitable, trade. This is not a very flattering sketch of the prospects of the iron trade in South Staffordshire, but it is pretty near the truth, and the sooner it is admitted the better for exercited.

mitted the better for everybody.

A recent report in the Birmingham Duily Post from that district (the authorship is pretty well known) gives but a gloomy account of the co-partnership ventures in the iron trade there. The Drinkfield Cooperative Iron Company (Limited), started by working men, is short of capital to complete the works; there is great delay in bringing them to a point capable of even puddling. An investigation committee has reported irregularities, and recommended the resignation of the whole board of directors—not a very hopeful prospect altogether. At the Co-operative Ironworks at Newport, Middlesborough (Fox, Head, and Co-operative Ironworks at Nowport, Middlesborough (Fox, Head, and Co.), the report of the accountants puts the profits under 10 per cent, and as that must be paid to the proprietors, and 2\(\frac{1}{2}\) for depreciation, before the men get any division, the result is, of course, disappointing, especially as it leaves leeway to make up for future profits before workmen's participation arises. It has always appeared to this writer that such schemes cannot well apply to workmen as a body, but to such only as by character, skill, and trustworthiness have a special value, and whose convergences along death of the results of the control of the cont and whose engagements should admit greater permanence as well as participation in profits. To bridge the gulf between workmen and em-ployer, by having grades of the former, seems the most hopeful step

to render strikes at once unnecessary and impracticable.

The Hardware Trades of Birmingham and South Staffordshire seem at length to show clear signs of recovery. The Australian letters delivered on Monday contained more orders, and gave a more cheerful account of future prospects than have been received for some time past. The Chinese and East Indian markets also show some signs of improvement, and there is a fair demand from the West In-The prevalence of the cholera at the River Plate has caused a s a moral par

means of having the present mineral rate of the Great Northern consideration have often been noticed. The extreme cost of legal proceedings to obtain compensation, the great difficulty of proving to a jury the cause of the damage, and the uncertainty attending necidents of this nature often put the sufferers at the mercy of the mine-owners. It seems that in the neighbourhood of Coseley a vast amount of damage has been done, and a meeting of property-owners was held, on Monday evening, to take into consideration the reckless manner in which the mining operations have been carried on in this neighbourhood, and the damage done to the properties adjoining also, to consider what steps should be taken to recover from the guilty parties the amount of damage done to mand coal master, presided. It appeared that a colliery belonging to Mr. Thomas Pemberton had been let to a number of persons on royalty, these people being in a position which affords little hope of recovering damages from them. Mr. Groucutt said he had never known such shameful mining as has been carried on in that neighbourhood. Amongst the property likely to be destroyed is a chapel, and houses belonging to several widows. It was stated that there was good reason to believe the persons concerned had worked beyond their boundary, in which case it was determined to institute criminal proceedings against them.

The Social Science Association is to meet at Birmingham this year, and good promise of a fit reception is given by the leading men of the commercial as well as a moral panie. The home trade mends slowly.

The hardship which owners of property on the surface often suffer
from mining operations have often been noticed. The extreme cost of
legal proceedings to obtain compensation, the great difficulty of proving to a jury the cause of the damage, and the uncertainty attending

town and district. Birmingham is certainly rising in public spirit and united action, inculture, and in a wider appreciation of the of general instruction, on which its prosperity depends.

of general instruction, on which its prosperity depends. At the adjourned inquest upon the sufferers by the Clattershall Colliery accident, a verdict of manslaughter was returned against Joseph Shaw, he butty. He said that when he told Chivers that the dam would have to be repaired, he told him to have the sand put down the winding shaft, and thence conveyed to the spot where it was wanted by horses and men. Chivers objected, and said it would be better to turn the air, have the fire out of the upcat shaft, and put the sand down that shaft, where it would be close to the dam. Shaw at irst demurred to this, but when Chivers said there was no use his having the charge. If he could not do as he liked, he gave way, and allowed him to take his lown course.

#### REPORT FROM NORTHUMBERLAND AND DURHAM.

MARCH 26 .- The Coal Trade here continues extremely dull in most branches, but more particularly in house and gas coal, with which all the markets appear to be completely glutted. The Coke Trade is also very much depressed, consequently most of the works are doing little, and many of them are working only about three days per week. It must also be noticed that immense stocks of coal have accumulated at many of the works, and those stocks are still increasing rapidly. A large fleet of vessels has arrived in the Tyne within the last two works and those stocks are still increasing rapidly. A large neet of vessels has arrived in the 17th which the last two weeks, and, therefore, a considerable quantity of coals and coke may be expected to be taken by them. Many of the vessels were laden with grain, and some have brought Esparto grass, lead, &c., from Spain. Some revival in the trade may, therefore, be expected in the Tyne from the arrival of this fleet, and it is certainly much required. It is lamentable to notice that although the Iron Trade is only beginning to recover from a geographic long pretracted downsion.

ginning to recover from a severe and long-protracted depression, some kinds of workmen are quite ready to strike at any moment. A few days ago a number of labourers at Jarrow demanded an advance of 2s. per week, and this not being granted they at once struck. However they were summarily dealt-with in this way—all moneys due to them were paid, and they were ordered to quit the works at once. A number of millmen and others at the works of Messrs. Abbot, Gatesnumber of millmen and others at the works of Messrs. Abbot, Gateshead, also struck during the whole of last week; however, the differences, whatever they were, have been once more adjusted, and the works are again fully in motion this week. We do not pretend to known how many strikes have taken place at the last-named works since the establishment of the new mills, only a few years ago (about three years), but the number has been very large, and this is hardly creditable to the parties concerned. The Iron Shipbuilding Trade continues to improve on the Tyne and Tees; and at the Middlesborough Market, on Tuesday, there was a moderate attendance, and as holders held out for rising prices business was considerably checked. holders held out for rising prices business was considerably checked. The prices quoted were—No. 1, 47s. 6d.; No. 3, 43s. 6d.; and No. 4, 42s. 6d., nett cash. Foundries are still reported as extremely dull. There was an improvement in the Coal and Coke Trade, first-class coke being decidedly better. There is no new information as to the making of steel from Cleveland iron, but the patentees are stated to be making viorous efforts to apply their various processes to proc be making vigorous efforts to apply their various processes to prac-

A case of some importance to owners and lessees of collieries has tical purposes.

A case of some importance to owners and lessees of collieries has been litigated some time, but has not as yet been finally disposed of—Carr v. Benson. This case came up a few days ago in the Court of Chancery, being an appeal from the judgment of Vice-Chancellor Stuart. Mr. Carr and his late father became lessees, under Lord Rokeby, of the coal and clay on the Scotswood Estate in August, 1854, and in December a further lease was granted to Mr. Carr and his brothers. In 1862 Lord Rokeby granted a new lease to Mr. Benson, who had purchased the old lease of the collery from the assignees of Mr. Carr and his brothers, who had then become bankrupt. The lease of 1863 included all the coal under the lands demised by the lease of 1864, together with the coal under other lands adjoining. Against this Mr. Carr had successfully claimed before Vice-Chancellor Stuart the exclusive right to work the clay and coal in the Stone Coal under a license recently granted by Lord Rokeby's mineral agent. In Mr. Carr's lease of 1864 the mode of working the clay and coal demised to him was by means of drifts and sir-courses; and the lesson reserved the right to be lesses of the coal, to dig and sink pits and shafts. At the latter end of 1865 Mr. Benson began to work the coal in the Stone Coal seam. About the same time Mr. Carr deepened one of the existing shafts and began to work the clay, taking sufficient coal from the seam to manufacture it. The strong point urged by the appellant was that, inasmuch as Mr. Carr was himself one of the lessees in 1864, undier which Mr. Benson bases his claims, he (Mr. Carr) would not have been a party to such lease where two lessees would have to work on antagonistic terms. Up to that time Mr. Carr should get his clay from such seams as he had formerly got it. Mr. Benson had expended about 14,0004, upon the mine, and affirshe had abandoned the Stone Coal seam, but he afterwards found it to be workable to profit, without having the profit that might arise from the working of the had ab

#### REPORT FROM DERBYSHIRE AND YORKSHIRE.

MARCH 26 .- The Iron Trade in the northern part of Derbyshire con tinues languid, but the prospects are rather more encouraging than they have been. There is a moderate business at the foundries, still the demand for merchant iron generally is limited in extent. There the demand for merchant iron generally is limited in extent. There is but little improvement in the enquiry for coal, the tonnage forwarded to London being below the average for the season, so that the railway companies have for some time had a quiet time of it, the London and North-Western in particular showing a considerable falling off in the quantity carried during the past month when compared with January, whilst the decrease in comparison with the same month of last year is no less than 12,213 tons. At Church Gresley and Swadlincote, now that the Union movement has failed, matters are being adjusted, and the pits have fully as many men as they require. Unfortunately, however, the effectof the dispute has been to send the trade into other districts, so that at present the collieries are send the trade into other districts, so that at present the collieries are working short time, and no doubt months will elapse before any considerable portion of it is recovered. Some of the principal branches of the Sheffield trade are showing symptoms of recovery from the quietness which has characterised them. In Bessemer rails there is more doing, and there is every appearance of the business increasing. Makers of locomotive engines are also doing pretty well, and give promise of being kept husily going. promise of being kept busily going. The ironworks in most parts of the South Yorkshire district are only working short time, still there is a more confident tone with regard to the future, and it is not at all unlikely that, with the advance of the season, and the resumption of trade with the North of Europe, there will be a more healthy state of things than has been experienced for some months. At Elsecar the rail mill is now fully worked, and it is said an order which secar the rail mill is now fully worked, and it is said an order which will last for some time has just been given out. Plates and sheets are only in moderate request, and the same may be said with regard to bars and hoops, consumers not ordering so largely as they have been in the habit of doing.

There is no alteration in the state of the Coal Trade, which continues very quiet, the business doing to London showing no great signs of improvement. Still it is believed that the efforts being made by

the coalmasters, and seconded by the London merchants, will be the means of having the present mineral rate of the Great Northern con-

an engine with a cylinder 18 inches diameter, 3 feet stroke, with an air cylinder coupled at the back of the piston rod. The endless rope extends about 800 yards on the level of the Thorncliffe bed, worked by steam, whilst the air cylinder supplies the air to two 8-inch cylinders for working the ropes in the Parkgate seam, which is about 27 yards above the former, There will be more than 4000 yards of rope at work in the colliery, which will be driven by about 50 nominal horse. power. During the week the colliery has been visited by a considerable number of stewards and managers, all of whom speak in the high power. During the week the colliery has been visited by a considerable number of stewards and managers, all of whom speak in the highest terms of the great advantages the ropes have over horse-power, both for speed and economy. It is, therefore, not unlikely that ropes will become to be more generally used throughout the Barnsley as well will become to be more generally used throughout the barnsley as well will be a listeness seeing that by their use not only is the work more

both for speed and economy. It is, therefore, not unlikely that ropes will become to be more generally used throughout the Barnsley as well as other districts, seeing that by their use not only is the work more easily done, but that they effect a very great saving.

As we stated last week, the dispute between the colliery proprietors of South Derbyshire and their men, after doing a vast amount of injury to the trade of the district, and reducing the once comfortable and contented workman to poverty and destitution, has terminated. Twice within a year has the attempt to compel coalowners to employ Unionists only been signally defeated. At Staveley the company determined to make any and every sacrifice sooner than have the conduct of their business delegated to the hands of strangers and their cwn workpeople, and were successful. The same course was pursued in the southern part of the country, where Mr. Brown and others commenced agitating in favour of Union, and now the same results have followed. The men in both instances have been obliged to give way, after having brought themselves, and families to the lowest depths of poverty. How so much suffering is broughts about was pointed out by Mr. C. Markbam, the managing director of the Staveley Company, in his evidence before the Trades Union Commission. He said their never would have been any contention between the masters in North Derbyshire and their mene but for strangers coming into the district, and pointing out to the latter various grievances which they alleged they were suffering under. He could prove that his own workpeople were paid higher wages, had more privileges, and were altogether in a much better position than those in any Union district; and, further, to show the estimation in which Unions were held by the men at present, he believed if any persons were again to come into the district and endeavour to establish a Union, they would be very unceremoniously repulsed. With those facts in view, it is to be hoped we shall hear less of such disputes, an

#### REPORT FROM MONMOUTH AND SOUTH WALES.

MARCH 26 .- The Iron Trade of the district is beginning to manifest faint symptoms of recovery from the stagnation which has so long prevailed. At one or two of the leading establishments the hands are tolerably well employed, some export orders for rails, chiefly for the United States, having been secured, and which are sufficient to keep the mills steadily going for some little time to come. At the majority of the works, however, the hands are not employed more than two thirds time, but it is generally believed that the results of the stage At the majority of the works, however, the hands are not employed more than two-thirds time; but it is generally believed that the trade is gradually recovering something of its former activity and vigour, and that before long the various mills and forges in the district will be kept going more regularly. The prospects of the home trade are considered more cheering than they have been for some time past, several of the home railways being now in the market for rails, and it is expected others will shortly be giving out large orders; but the traffic returns of late have not been so satisfactory as could be desired, and the fixed determination of shareholders to have all charges paid out of revenue will, no doubt, be the means of occasioning considerable caution to be exercised until the general trade of the country has so far improved as to make the traffic receipts show a material increase. The clearances to the United States last week are in excess of these of many reviews weeks, but the prepased in the second of the second of many reviews weeks, but the prepased in the second of the second of many reviews weeks, but the prepased in the second of increase. The clearances to the United States last week are in excess of those of many previous weeks, but the proposed impeachment of the President, and the consequent political complications which have resulted in its train, have unfavourably affected the market, and enquiries are not quite so numerous as they were. It is known, however, that the requirements are large, and it is equally clear that the greater part of the supplies must ultimately be obtained from this district. Rails are now ready for shipment to the Russian markets, and if anything like the payall proportion of the contracts of that and if anything like the usual proportion of the Russian markets, and if anything like the usual proportion of the contracts of that country are secured by makers in South Wales, there will be a fair trade done during the next few months. One heavy order is about to be given out for railway materials for the Muscovite Empire, and it is believed it will come to South Wales, consequently there is quite a hopeful tone about this department of the trade. For bars enquiries are more numerous, and clearances to the continental markets shows a favourable ingresse. Although the tone of the trade. show a favourable increase. Although the tone of the trade is more cheerful, and future prospects encouraging, it cannot be said that quotations have experienced an actual advance, but prices are hard-

ening, as compared with what they were three months ago.

Tin-Plate proprietors are fairly off for orders, and list prices are now fully maintained. There is a tolerably fair demand for Steam Coal for the East and French markets, but owing to the number of In This proprietors are analyson; for orders, and his process are now fully maintained. There is a tolerably fair demand for Steam Coal for the East and French markets, but owing to the number of arrivals being below the demand the quantity shipped has been considerably less than it would have been had the weather been more settled. There are now a large number of vessels entered outwards, and should the present fine weather continue something like activity will again prevail at the local ports. Many of the collicries in diamorganshire still continue dissatisfied with the present rate of vages, and at one or two of the collicries they have brought out their tools, but after continuing out for a few days they returned to work on the masters' terms. On Monday there was a meeting of delegates at Aberdare, and a long discussion took place on the desirability of giving inmediate notice for an advanceof wages, and striking if the demand should not be conceded. Great diversity of opinion prevailed, and ultimately the subject was adjourned until Monday. It is quite clear that such meetings bring no real benefit to the men, as they entail a great loss of time and money, and considerable inconvenience to the masters. It is evident that the Glamorganshire colliers are being urged to such proceedings by the turn-outs in Monmouthshire, in which district, it is to be regretted, no definite arrangement has yet been ome to by the masters and men. At the Rhos Llantwit Colliery a number of miners have been brought from the Cornish mining districts, and if they find the terms offered at all suitable, some 200 others will be introduced. At Abercarn orders have been obtained to eject the turn-outs from the company's houses, and they, it is understood, will be strictly executed. As soon as the company are in a position to afford accommodation for fresh hands it is very probable the offer made by the mas become to getting out the water still continue at work, although the men benefit of the purpose of getting out the water still cont

they saw what the real reduction was to be they at once struck work, but are willing to go in any time on a reduction of 10 per cent.

Mr. William Jones, of Caerleon, has just entered upon the management of the Swansea Iron and The Plate Company's Works at Cwmbwrla, near Swansea. For a long period of over 30 years Mr. Jones successfully managed the Caerleon Tin-Plate Works, for the firm of Messrs. T. and R. Fothergill, and it may be truly said that there are few men who are so practically acquainted with the manufacture of tin-plates in all its branches, and are better known at the various marts of the trade.

The new designation of the Ebbw Vale Company, which is averaged.

with the manufacture of the plates in all its branches, and are better known at the various marts of the trade.

The new designation of the Ebbw Vale Company, which is proposed to be wound-up voluntarily, is to be "The Ebbw Vale Steel, Iron, and Coal Company (Limited)," the shares of which are to be of \$2t\$. cach, credited with \$7t\$. 10s. as paid. The new company is to assume all the contracts and liabilities of the old company. The liquidators who are appointed to wind-up the affairs of the old company, and to transfer the whole or any part of the business and property to the new company, are Mesers. C. K. Anderson, F. Phillips, and R. Lougsden. Mr. O. Morgan, at the Archaeological Institute, exhibited a steel die of the official seal of John Morgan, of Tredegar, who was Lord Lieutenant of Momouth and Brecon and Custos Rotulorum for Momouth from 1700 to 1720. The seal was found last summer, lying about as an old bit of from in the kitchen of an old farmhouse near Usk. It contains twenty coats of arms, selected from the family shields, to show the alliances which the family had made with heiresses of different families from the middle of the 11th century to 1700.

The arrivals at Swansea include—the Commodore from St, Malo,

with 95 tons of zinc ore, for Dillwyn and Co.; Marie Angelina, from Requejeda, with 206 tons of zinc ore, for Swansea Zinc Ore Company; Eliza Louis Desiré, from Carioforte, with 160 tons of zinc ore, to order; Eskett, from Carioforte, with 214 tons of zinc ore, for H. Bath and Son; and the barque Beta, from Carrizal, with 720 tons of copper regulus, also for H. Bath and Son.

#### REPORT FROM THE FOREST OF DEAN.

MARCH 25 .- The Coal Trade remains in about the same condition, MARCH 25.—The Coal Trade remains in about the same condition, and we cannot well see how any advance in price can be looked for until after the summer months. The winter stocks have to be cleared away, and this, coupled with the fact that a less quantity of coals is required for household purposes in a mild and warm season, in some measure accounts for the temporary depression in the trade, although hardly to be called so as compared with other districts. We understand the Bilson and Crump Meadow Coal Company have stopped one of their small collieries, and this of necessity dispenses with all the hands employed in the work. One of the colliers who worked there reported to us that over 50 hands were out of employ in consequence of the stoppage. A very serious accident happened last week to George Matthews, at the Duck Pit, also the property of this company. It appears that the sinkers having prepared to effect a blast, the usual inched was resorted to; but there being a delay in the explosion it was upproached the charged hole to ascertain the facts, unfortunately the approached the charged hole to ascertain the facts, unfortunately the approached the charged hole to assert and the lasts, the powder exploded, and he was so seriously injured that it is feared he will not recover. Two Forest gentlemen have recently made a purchase of three very valuable undeveloped collieries, but whether they intend to sink to the coals immediately or not cannot be now ascertained. The collieries in question include the Lower and Upper Trenchards, Coleford Hill Delf, Yorkley, Whittington, and Brazzily veins.

#### REPORT FROM SCOTLAND.

MARCH 25.—The resolution by theironmasters to release each other from any further obligation to keep a specified number of furnaces out of blast had a depressing influence on prices in our Pig-iron Market last week, as it was expected that a number of additional furnaces would be immediately put in blast. Since that resolution was come to we have only heard of one additional furnace having been reliabled, and there are doubt, entertained of the ironmasters kindances wound be immediately put in blast. Since that resolution was come to we have only heard of one additional furnace having been realighted, and there are doubts entertained of the ironmasters kindling more of their outed furnaces. Labour is, no doubt, cheap at the present time, and this may induce makers to lay up stock; but there are no reasonable hopes that these stocks will come into speedy demand. There are better shipments of pig-iron this week, fully two-thirds being sent to foreign countries, and the total amounting to 10,845 tons, against 11,520 tons in the corresponding week of last year. The week opened with a flat market, and little business passing, but it rallied quickly, and 1½d, a ton advance was secured, which yesterday was augmented at the close by sellers demanding a further advance of 1d, a ton. This morning the market opened firm at 53s. cash, and 53s. 1½d, a month, 3000 tons being cleared at these prices, but closed flat, nominally at 52\cdot 10\cdot d, buyers offering 52s. 9d. No. 1, 2m.b., 53s.; No. 3, 51s. 6d.; Coltness, 59s.; Gartsherrie, 57s. 6d.; Langloan, 55s. 9d.; Summerlee and Calder, 55s.; and Eglinton, 53s. Orders for Manufactured Iron are not becoming more numerous, and tis feared lower prices will be current by the beginning of next month. The most of our works are fairly employed, but it is with hand-to-mouth orders, which are alway unsatisfactory. Shipbuildiron and boiler-nights are in good request but even these parts. at is feared lower prices will be current by the vegenation month. The most of our works are fairly employed, but it is with hand-to-mouth orders, which are alway unsatisfactory. Shipbuild-fron and boiler-plates are in good request, but even these are not so firm in price as they were a week or two ago. Best merchant bars are quoted 71,; second ditto, 61, 12s. 6d. to 61, 15s.; angle-iron, 71, 2s. 6d. to 81, 10s.; plates, 81, to 171, nail-rod, 71, pipes, 41, 10s. to 61, railway chairs, 31, 10s. to 31, 12s. 6d. Ironfounders are better supplied with orders, but the moulders are not yet satisfied with the length of the lock-out, and are holding on to their demands. The masters, in many instances, however, are getting their places filled up.

Our Coal shipments are not diminishing if prices are low, and the sales distributed amongst both coal and iron masters, but there is no

Our Coal shipments are not diminishing if prices are low, and the sales distributed amongst both coal and iron masters, but there is no doubt that whatever trade is doing it is unremunerative, and will not long sustain present low wages without some change. The quantity which was shipped from the Scotch ports for the week ending yesterday is set down at 19,030 tons, against 18,030 tons in the same week of 1867, being an increase of 1000 tons, but prices have receded 50 per cent., and the ironmasters have become liberal sellers; if the latter cent., and the ironmasters have become liberal sellers; if the latter now re-light their extinguished furnaces that would undoubtedly help the sale conlimaster, and enhance quotations generally to a small extent, but as there is no certainty that such will be the case, coalmasters are expecting little relief before autumn. Amongst the miners themselves there is little new to report. Great efforts are being made by their Secretary to raise funds for prosecuting the case of Mrs. Wilson v. Merry and Cunningham before the House of Lords, and this appeal has brought out a singular and characteristic letter from Lord Kinnaird, which no one can read without being struck by the numerous unsupported assertions it contains, and while anxious to do every justice to his lordship, we cannot hide from ourselves the obliquity of the conclusions at which he has arrived.

Shipbuilding on the Clyde has so far revived from the effects of the late calamitous strike as to give the ship-joiners of Greenock

Shipbuilding on the Clyde has so far revived from the effects of the late calamitous strike as to give the ship-joiners of Greenock courage to strike again for an advance of 2s. per week. As was to be expected, the masters have resolved to resist this demand to the uttermost, having taken their contracts at rates which preclude the possibility of granting increased wages to their workmen. It is to be hoped this strike will be confined to Greenock, for if the whole of the yards on the Clyde are involved it will prove ruinous to both employers and employed.

PORCELAIN GLAZING.—M. RICHARD, ceramic manufacturer at Saint-Christophe, near Milan, has communicated to the Society of Encouragement, Paris, in the most disinterested manner, his process Encouragement, Paris, in the most disinterested manner, his process for varnishing pottery, and applied by him to different products exhibited at the Champ de Mars (group III., class XVII., Italian section). The following are the ingredients and their proportion to be fritted:—Carbonate of soda, 1000; boracic acid from Tuscany, 0800; ktalin, 0125; carbonate of lime, 0250; sulphate of lime, 0250; crystallised felspar, 0750; quartz from the Tessin, 0280; fluate of lime, 0150. Manganese of Piedmont is added to obtain the desired tint. The whole grit is ground fine, and then mixed with 110 parts of kaolin and 52 parts of felspar for every 460 parts of the above frat. It is applied as usual in glazing, but, as the specific gravity is fret. It is applied as usual in glazing, but, as the specific gravity is than the leaden coating, the same weight of the new glaze will rer a greater quantity of pieces.

ON THE PROBABLE EXHAUSTION OF OUR COAL MINES.-Mr. W. STANLEY JEVONS, Professor of Political Economy at Owens College, Manchester, gave the Friday evening discourse at the Royal Institu-STANLEY JEVONS, Professor of Political Economy at Owens College, Manchester, gave the Friday evening discourse at the Royal Institution on this subject. In his introductory remarks he referred to the recent enormous increase in the quantities raised from the mines of Great Britain—64,600,000 tons in 1854, and 101,630,000 tons in 1866. He stated that about half the carrying power of British railways is occupied in conveying coal, and that it would require a fleet of five times the amount of tonnage of the whole of the vessels which now enter English ports in a year to bear the whole of that coal, it being the greatest trade ever carried on. Every pound of it is intrinsically of extreme value, since the heat it yields is capable of conversion into mechanical power, light, and electricity—in short, into any form of force. As almost all our manufactures are carried on by the aid of coal, directly or indirectly, there is every reason to suppose that its employment will become more and more general. It is thus the mainspring in our prosperity. Even the economical use of coal tends to extend rather than restrict its use, for the cheaper the performance an engine is, the more profit is derived from it, and the more engines are employed; and this Mr. Jevons proved from the history of the steam-engine. He expressed his opinion that the notion that electricity would eventually supersed coal is fallacious, because coal is the cheap source from which electricity will be more economically obtained by its help; and, should any new and unknown source of power be some day discovered, we have no reafsou to suppose that Britain will possess supplies of its orichly as she possesses coal. Mr. Jevons said that the limited extent of the British coal mines will prevent us from much longer extending the production of coal as rapidly as in late years; and other countries will soon develope their more abundant mines, and in time will enjoy a larger supply of coal than we do. He desired that it should be especially understood that he had

#### In the Court of the Vice-Warden of the Stannaries. Stannaries of Devon.

IN the MATTER of the COMPANIES ACT, 1862, and of the LADY BERTHA MINING COMPANY.—TO BE SOLD, under the direction of the Registrar of the said Court. BY PUBLIC AUCTION, on Wednesday, the 8th day of April next, at LADY BERTHA MINE, situate in the parish of Buckland Monachorum, within the said Stannaries, at Eleven o'clock in the forenoon, in One Lot, the INTERESTS of the COMPANY in the SETTS or GRANTS under which the operations of the company have been carried on, and the undermentioned

#### MINING MACHINERY AND MATERIALS, viz. :-

MINING MACHINERY AND MATERIALS, viz.:—

ONE 40 ft. diameter WATER WHEEL, 4 ft. breast, cast-iron cylindrical axle; i crank; drawing machine arm; cast-iron segments, &c.

ONE 32 ft. diameter WATER WHEEL, 3 ft. 4 in. breast; drawing machines and sheds; 50 fms. casings and dividings; 150 fms. ladders; shear, sheaves, and saddles; 166 ft. shaft rods; 43 pumps, various sizes; 2 11 in. matching pieces; 55 fms. 59, old chain; 2 capstans, rope, and chain; 2 plates iron; 1 7 in. plunger pole; 1 case, with stuffing box and gland; 1 9 in. plunger pole; 1 to in. case, with stuffing box and gland; stable, flooring of loft, stalls, and manger, corn chest; 6 ½-cwts., 1 qr.-cwt.; 2 large brasses of water wheel, 2 small ditto; lot of iron shovels; 21 fms. 9 in. lift, 21 fms. 6 in. ditto, 12 fms. 6 in. ditto; 53 fms. punch road wood; poppet head and shieve; 2 punches; shaft bob; 2 lights of stairs from floors to office; 20 fms. 1½ flatt rods, 10 fms. 1½ ditto; 580 fms. rail-way iron; tram wagon; legs and brace pieces, and horizontal sleepers; crusher, balance bob, sweep rod to wheel; hatches, strakes, tyes, &c.; roll spindles; grinder roll, 2 ft. diameter; triangle for taking out rolls; dressing office and dry; oro stage and burrow stage; lot of new and old timber; new and old iron; smiths' and miners' tools; account house and office furniture; and a variety of other articles and effects in general use in mines.

For further particulars, apply to the officer in charge thereof for the Court.

For further particulars, apply to the officer in charge thereof for the Court,
HODGE, HOCKIN, AND MARRACK, Truro > / ?

(Agents for Tufnell Southgate, Solicitor, 7, King's Bench-walk,
Temple, London).

COPPER MINE LEASE, AND VALUABLE MACHINERY, PLANT, AND MATERIALS, ON THE DEVON WHEAL LOPES MINE, SITUATE ABOUT A MILE FROM THE BICKLEIGH STATION, ON THE PLYMOUTH AND TAVISTOCK RAILWAY, FOR SALE.

M. R. JOHN VOSPER WILL SELL, BY AUCTION, ON THE MINE, on Thursday, April 2d, 1868, by order of Frederick Rooke, Esq., the liquidator of the Devon Wheal Lopes Mining Company (Limited), unless previously disposed of by private contract, of which due notice will be given, subject to such conditions of sale as shall then and there be produced, in One Lot, all that VERY EXTENSIVE MINE SETT, or LEASE OF THE DEVON WHEAL LOPES COPPER MINE,

LEASE OF THE DEVON WHEAL LOPES COPPER MINE, Situate in the parish of BICKLEIGH, in the county of DEVON, on the Plymouth and Tavistock Railway, granted by Sir Massey Lopes, Bart., for the term of 21 years, from March 25, 1662, at 1-15th royalty.

Together with a grant of water from the River Plym, by the said Sir Massey Lopes, Bart., for the like term of 21 years, from May 5, 1865, at the yearly rent of £30 during the first two years, and of £75 during the residue of the said term.

Together, also, with the plant, machinery, and materials on the said mine, consisting of a WATER WHEEL, 40 ft. diameter, 3 ft. breast, with cast-iron eyindrical axle, segments and centre pieces, drawing machine attached; machine house, 35 fms. of 3 in. round iron rods, 5 shaft, travelling, and balance bob; 140 fms. 254 in. where rope, with pullies and stands, 8 arm capstan, 133 fms. of 14 in. capstan rope, 60 feet sheares and posts, 2 poppet heads, 30 fms. of 20 in. pit work, 20 fms. of 14 in. plunger lift, 23 fms. of 11 in. drawing lift, 80 fms. of tramroad iron (2½ x ½5), 50 fms. of 12 in. main rod, 40 fms. of whim rope, shaft ladders, double and treble blocks, lot of new Norway balk and oak timber, lot of new iron and cast stoel, 40 in. smith's bellows, vices, anvils, smiths' tools, several lots of chain, beam and scale in frame and weights, serewing stocks and tackle, about 7 dozén coils of safety fuse, carpenters' benches, wheelbarrows, counting house and office furniture, and a great quantity of other materials in general use in mines.

counting house and office furniture, and a great quantity of other materials in general use in mines.

The above will be offered for sale in one lot, and if not then disposed of, the whole of the plant, machinery, and materials, &c., will immediately afterwards be sold in lots, as is usual in mine sales, to suit purchasers.

This entensive sett consists of several shafts. The main engine-shaft is 62 fms. deep, in which there are five levels, each of considerable extent, and the lodes are fine looking. The 14 fm. level is driven 100 fms. cast, and 170 fms. west of the engine-shaft. The 29 fm. level is driven 55 fms. west of the engine-shaft. The 30 fm. level is driven 95 fms. cast of the footway shaft. The 50 fm. level is driven 170 fms. as at of the engine-shaft. The 62 fm. level is driven 170 fms. cast of the engine-shaft. The deep add level is driven west nearly 150 fms.; the end is improving. Good stones of ore have lately been discovered. In the trial shaft there is a fine gossan lode, from 3 to 4 ft. wide.

Ores, composed of blende, copper and mundic, can be immediately raised in the stopes at the 30 fm. level. A considerable sum of money has been expended on the workings.

the stopes at the 30 fm. level. A considerable sum or money has been expension the workings.

A plan of the sett is endorsed on the lease, which will be produced at the time A plan of the selt is endorsed on the lease, which will be produced at the time and place of sale, and may be inspected any time prior to the sale, at the office of the solicitor hereinafter named.

The plant and machinery have been placed on the mine within the last three years at great expense, and will be found worthy the attention of purchasers.

To view the mine, apply to Capt. JOSEPH RICHARDS, Lamerton, near Taylstock, of whom all necessary information may be obtained; and for further particulars, to Freder. Rooke, fsq., the liquidator, 53, Southville-cresent, Bed-minster, Bristol; to the Auctioneer, Taylstock; or to Charles Taddy, solicitor, Shannon Court-chambers, Bristol.

There will be luncheon at Twelve o'clock, and the sale will commence punctually at One o'clock.

SALE, BY AUCTION, at MESSRS. BARROWS AND CARMICHAEL'S WORKS, BANBURY, of

TWENTY VALUABLE NEW PORTABLE STEAM ENGINES,

From 3 to 25-horse power NINE USEFUL SECONDHAND PORTABLE ENGINES,

From 4 to 10-horse power,

MORTAR MILLS, SAW TABLES, &c., &c.

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(Signed) P. J. MARGERY, Engineer S.D.R., M.I.C.E., N.B.—The South Devon Railway Company have continued to use it, and are now painting their stations with it.—February, 1868.

N.B.—The Sould Levis and the Levis With it.—February, 1868.

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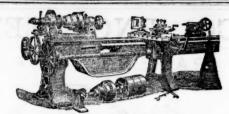
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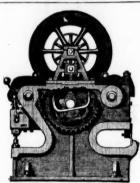


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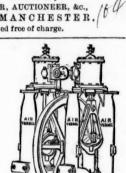
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#### BLAKE'S PATENT STONE BREAKER, In Changery.

BLAKE v. ARCHER, NOVEMBER 12, 1867.

His Honour the Vice-Chancellor Wood having found a VERDICT in FAVOUR of the PLAINTIFFS in the above Cause, establishing the VALIDITY of BLAKE'S PATENT, and made a DECREE for an INJUNCTION to RESTRAIN the DEFENDANTS, Messrs. Thomas Archer and Son, of Dunston Engine-Works, near Gateshead-on-Tyne, from INFRINGING such PATENT, and erdering them to pay to the Plaintiffs the costs of the Suit.

ALL PERSONS are hereby CAUTIONED against MANUFACTURING, SELLING, or USING any STONE BREAKERS similar to BLAKE'S, which have not been manufactured by the Plaintiffs. Application will forthwith be made to the Court of Chancery for INJUNCTIONS AGAINST ALL PERSONS who may be found INFRINGING BLAKE'S PATENT after this notice.

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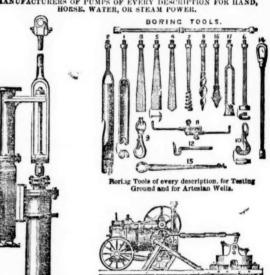


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1500	Alderley Edge, c, Cheshire*	10	0	0	-						8			0Jan.	1868
200	Botallack, t. c, St. Just	91	5	0	-				488		0			0 May	1866
	Brookwood, c, Buckfastleigh	1	11	0	_						6			6 Dec.	1867
	Bronfloyd, I, Cardigan*	12	0	0	-						0			0Jan.	1868
	Cashwell, I, Cumberland			0	-				0		6			6 Aug.	
	Cargoll, s-t, Newlyn			7	22				14					0Jan.	1868
	Creegbrawse and Penkevil, t				-				1		0			0Oct.	1867
	Cwm Erfin, I, Cardiganshire*	7	10		_				25					0Jan.	1868
	Cwmystwith, I, Cardiganshire	60		0	_				381		0			0 Dec.	1867
	Derwent Mines, s-l, Durham	300	0	0	-						0			0June	
	Devon Gt. Consols, c, Tavistockt	1		0	450		440 450		1095		0			0 Mar.	
656	Ding Dong, t, Gulvalt	49	14 (	6	-									0 Sept.	
358	Dolcoath, c, t, Camborne	128 1	7 6	3	-				840						1868
6144	East Caradon, c, St. Cleert			3	41/4		33/4 4		14		6			0July	1867
300	East Darren, l, Cardiganshire	32	0 (	0	-				150	10	0	2		0 Dec.	1867
128	East Pool, t, c, Pool, Illogan	24		0	-				427	10	0	5		0Mar.	1868
1906	East Wheal Lovell, t, Wendron.	3		0	9		81/2 9		3	11	6	0	10	0 Dec.	1867
	Foxdale, I, Isle of Man*	25		0	-				71	0	0	0	10	0 Sept.	1867
	Frank Mills, I, Christow		18		-				3		6			0 Feb.	1866
	Gawton, c, Tavistock		10		_		234 278		0	3	0	0	3	0Jan.	1868
	Great Laxey, l, Isle of Man*	4	0 (		18		17 18		8	5	0	0	10	0 Mar.	1868
5908	Great Wheal Vor, t, c, Helstont	40	0 (		191/2		18 19		12	15	6	0	7	6 Mar.	1868
1024	Herodsfoot, l, near Liskeardt		10 (		40		38 40		45				10	0 Feb.	1868
6000	Hingston Down, c, Calstockt		10		-						0			0 April	
400	Lisburne, l, Cardiganshire	18			_						0		0	0 Dec.	1867
	Maes-y-Safn, l, Flint*	20	0 (		28		28 29		3		0			0Dec.	1867
	Marke Valley, c, Caradon		10 (		61/2		6 61/2		4		6			6Jan.	1868
	Minera Boundary, l, Wrexham*	1	0 0						0	13	0	0		0Mar.	1866
	Minera Mining Co.1, Wrexham*	25	0 (		180		165 175		228	13				0Feb.	1868
	Mining Co. of Ireland, c, l, cl	7	0 (		19%					-				7Jan.	1867
	Mwyndy Iron Ore*†	3	5	0							6			0Mar.	1868
	Parys Mines, c, Anglesey*	50	0		F.O.		***				0			0Jan.	1866
	Prince of Wales, t, Calstock		12 6		56s.	••	538. 558.		0	4	6	0		0Feb.	1868
	Prosper United, t, c, St. Hilary		14 (	0	00		00 00		0		0			0Feb.	1867
	Providence, t, Uny Lelant South Caradon, c, St. Cleer	10			28		26 28							0Feb.	1868
	South Darren, l, Cardigan*	3	6 6		-						0			0Jan.	1868
	So. Wh. Frances, c, Illog. †1		18	6	23	••	21 23		374		6			6. Oct.	1867
	Summer Hill, I, Mold		13		20		21 23	••	2		6			0Mar. 0Feb.	1868 1868
6000	Tincroft, c, t, Pool, Illogant	9	0 (		15		14 15		19		6			0 Mar.	1868
	Trumpet Cons., t, Helston		10		-	**	14 10							OMar.	1868
2000	W. Chiverton, l, Perranzabuloet	10		0	66		641/4 66		25		6			0. Feb.	1868
	West Godolphin, t, c, Breage	0		0	-		04/2 00		0		0			0 Dec.	1867
	W. Wheal Seton, c, Cambornet		10		2021/		200 210	**						O. Feb.	1868
	Wheal Basset, c, Illogant	5	2 (		67		65 671/2							0Feb.	1868
1024	Wheal Friendship, c, Tavistock		0		-		00 01/2		800	10	0	ô	10	0 Nov.	1866
	Wheal Jane, s-l, Kea		10		-					_				0Jan.	1868
	Wheal Kitty, t, St. Agnes	5	4 (		-		21/4 21/4		8	5				0. Feb.	1868
	Wheal Mary Ann, I, Menheniott	8	0	0	22		21 22		64					6 Mar.	1868
	Wheal Owles, t, St. Just:	70		0	Mental									0 Feb.	1868
2000	Wheal Rose, c, Scorrier	-	-		-				1					0 Feb.	1866
	Wheal Seton, t, c, Camborne	58 1	0 (		90		85 871/2		254		0			0 Feb.	1868
3000	Whitewell Lead, Clitheroe*	0		0	Neme				1	0	0	0	10	0Dec.	1867
17000	Wicklow, c, i, Wicklow	2 1	10 (		15		14 141/2		48	10	0	0	15	0Oct.	1867

#### MODELON DIVIDEND MINES

	FUREIGN DIVIDEND MI	MI	4 5.	
35000	Alamillos, I, Spain*t 2 0 0 214 134 214		0 26 0 1	6Mar. 1868
	Australian, c, South Australia † 7 7 6		0 100 1	
15000	Cape Copper Mining*† 7 0 0 10 91/2 93/4		3 26 0 10	0 Feb. 1868
76000	Don Pedro North del Rey*# 0 14 0 31/8 23/4 3		0 10 9 0 3	0Nov. 1867
	English and Australian, ct 2 10 0 34 58 34		0 1	0 Feb. 1868
25000	Fortuna, I, Spain*† 2 0 0		1 94 0 2	0Mar. 1868
	Gen.MiningAssoc., NovaScotiat 20 0 0 1234 13		23 10 0 0 15	0June 1867
10000	Gonnesa, 1.* [5000 £5 pd., 5000 £4 pd.]		10 per cent.	July 1867
68000	Kapunda Mining Co., Austratt 1 0 0 38 14 38		0 0 10 0 0	10Nov. 1867
15000	Lingres, t, Spain*t 3 0 0 214		11 11 8 0 3	4 Mar. 1868
50000	Pamulcillo, c, Chili*† 3 0 0		10 per cent.	Yearly.
6000	Peel River Land and Mineral* 100 0 0		****	
00000	Pontgibaud, s-l, Francet 20 0 0		4 14 3 0 11	0June 1867
10000	Port Phillip, g, Clunest 1 0 0 11/2 13/8 11/2		1 0001	6Jan. 1868
20000	Scottish Australian Min. Co.t. 1 0 0 118 1 114		716 per cent.	Nov. 1867
11000	St. John del Rey, Brazilat 15 0 0 19 20 21		81 10 0 4 5	0. Dec. 1867
50000	Victoria (London) [25000 £1 pd., 25000 12s. 6d. pd.]		0 900 1	0Jan. 1866
40000	West Canada Mining Co.* 1 0 0		0 19 6 0 2	

#### NON-DIVIDEND FOREIGN MINES.

snares		10	uu.	840	ist Fr. Bus. do	me. Last	Call.
	Anglo-Argentine, s, Argentine Republic*		0				
00000	Anglo-Brazilian, g*†		10		1/2 3/8 1/2	Nov.	1866
12500	Anglo-Italian, g*†		10		3/4 1/2 3/4	Jan.	1868
20000	Australian United, g		0 (			Mar.	1868
2464	Burra Burra, c, South Australia!	5	0				
25000	Capula, s, Mexico*†		12 (		5/8	Aug.	1866
30000	Chontales, g, s, Nicaragua*t	5	0 (		41/2 41/4 41/4	Mar.	1868
12000		45	10 (			Jan.	1868
10000	Copiapo Mining Company, Chilitt	16	10 (				
10000	Copiapo Smelting, Chili*	10				April	1866
300	Copper Miners' Co. of South Australia # [150 £100 pd.,	150			.]	Nov.	
15000	El Chico Silver Mining and Reduction Company*	5		)		Nov.	1866
40000	Fortune Copper Mining Co. of Western Australia	2				Fully	pd.
50000	Frontino and Bolivia, g, New Granada*†	1	15 (		34128. 14	June	1867
10000	Great Barrier Land, Mining, &c., New Zealand	8	0 (			Fully	pd.
80000	Great Northern, c, South Australiat	1	11 (			Sept.	
7927	Lusitanian (Portugal) !!	3					
83640	Mariquita, g, s, New Granada	1				Feb.	1868
12500	Nerbudda Coal and Iron, India*t	6				Dec.	1867
51000	New Quebrada, c, Venezuela*†	3	10 (				
15000	Otea, c, New Zealand*	2				Fully	pd.
80000	Pestarena United, g, Italy*†	2	15 (		23/823/8 25/8		
10178	Rhenish Consolidated, [6000 £5 pd., 4178 £2 10s. pd.]		-			May	1866
00000	Rossa Grande, g, Brazil*†	0 1	14 0		5/8 5/8 3/4	June	1867
15000	San Pedro del Monte, s, Mexico*	4	0 0			Sept.	1866
10000	San Roque, I, Spain	5	0 0			Fully	pd.
00000	Taquaril, g, Brazil*	0				Oct.	
6000	Terreseu, s-l, Isle of Sardinia	2	0 (			**	
43174	United Mexican, s, Mexicott	28	5 0		15/811/2 13/4		1
30000	Val Antigoria, g, Italy*	1	2 (				- 1
10000	Vancouver, cl*fl	6	0 (				
6000	Val Sassam, s, c, l, Italy*t	7	0 0			Aug.	1867
45000	Victor Emanuel, c. Italy	1	0 0			Fully	
20000	Washoe, g, Nevadat	5	0 0			Fully	pd.
80000	Worthing, c, South Australia*+	1	0 0			Fully	
75000	Yorke Peninsula, South Australia	1	0 0			Fully	pd.
45000	Yudanamutana, c, South Australia*12	3	0 0		15/8 2 21/4	Fully	pd.
							- 1

#### NON-DIVIDEND MINES.

Shar		Paid.	Last Pr. Bus. done, Last Call.
914	Caradon Consols c, St. Cleer	32 13 6 .	
1000	Carn Brea, c, t, Illogan;		. 20171/2 20 May 1867
5000	Carnaryonshire, I, Carnaryon*	4 00.	
3000	Chiverton, I, Perranzabuloe	10 00.	
3000	Chiverton Moor, l, Perranzabuloe	6 86 .	
9880	Clifford Amalgamated, c, Gwennapt	33 17 6 .	
9450	Cook's Kitchen, c, Illogant	19 14 9 .	
1055	Craddock Moor, c, St. Cleert	13 4 0 .	
19800	Dwake Walls & Calabacks		
510	Drake Walls, t, Calstockt		40 40 37 1000
6000	East Basset, c, Redrutht		
COUNT	East Carn Brea, c, Redruth‡	3 15 0 .	
4000	East Grenville, c, Camborne	3 15 6 .	T 1000
2000	East Wheal Russell, c, Tavistock†	12 15 6 .	
8000	Gonamena, c, St. Cleer	7 50.	Feb. 1868
4000	Great North Downs, c, Redruth	6 13 0 .	
4800	Great Retallack, s-1, b, Perranzabuloe	2 60.	
5143	Great South Tolgus, c, Redruth		. 116s. 18sFeb. 1868
1798	Great Wheal Fortune, t, Breage	31 74.	
1024	Nangiles, t, c, Kea	29 17 0 .	
400	New Wheal Seton, c, Camborne	58 10 0 .	
3457	North Downs, c, Redruth	5 8 10.	26s. 28sJan. 1868
695	North Roskear, c, Camborne	57 19 0 .	
593€	North Treskerby, c, St. Agnes	1 90.	
5610	North Wheal Crofty, c, Illogant	3 11 3 .	. 25/821/8 25/8 July 1866
3000	North Wheal Chiverton, I, Perranzabuloe	4 00.	. 414 Mar. 1867
5000	Old Westminster, I, Denbigh	2 00 .	. 7 5 7June 1867
8465	Pcdn-an-drea, t, Redruth	6 86.	Nov. 1867
1024	Rose and Chiverton United, I, Newlyn	5 10 0 .	. 61/2 6 61/2 Feb. 1868
6138	South Condurrow, t, c, Camborne	4 06.	
940	St. Ives Consols, t, St. Ives:	10 15 0 .	
920	Stray Park, c, t, Cambornet	44 13 8 .	
6000	Tamar Valley, s-l, Beeralston	0 76.	
548	Trelyon Consols, t, St. Ives	16 00 .	
6000	West Basset, c, Illogantt	1 15 0 .	
1024	West Caradon, c, St. Cleertt	20 10 0 .	
12800	West Drake Walls, c, Calstock	0 50 .	70 1000 1000
2582	West Great Work, t, Breage	5 11 0 .	0 4 Tuna 1900
6000	Westminster, Flint, l*	5 00 .	The live and
6000	West St. Ives, t, c, St. Ives	0 10	
5000	West Wheal Kitty, t, St. Agnes		Then 1007
6000	Wheal Agar, c, Illogan	2 19 6 . 7 11 0 .	
619	Wheal Buller, c, Redrutht	24 00 .	40 10 14 Tem 1000
849	Wheal Emily Henrietta, c, Illogan	20 00.	
5794	Wheal Grenville, c, Cambornet	10 60.	* ** *** *** *** 1000
1040	Wheal Trefawny, 8-l. Liskeardt	7 12 0	

#### NON-DIVIDEND MINES.

	NON-DIVIDEND MINES, Shares. Mines. Paid. Last Pr., Bus s.
_	2562 Abraham Cons., t, c, Crowan 1 7 0
d.	4000 Deutora United, c, Tavist. 2 0 0 1%
68 66	
67	2500 Bosworthen and Penzance 4 0 0
68 66 68	5000 Bryn Gwyn / Mold*† 0 0 0
68 67	1000 Budnick Consols
68	5094 Bwich Consols, s-l, Cardigan 4 0 0
67 68	1000 Camborne Consols, c 18 10 0
67 68	1000 Camborne Consols, c 18 10 0. 11000 Cape Cornwall, t, c* [8000 £210s, pd., 3000 25s, pd.] 5000 Capel Banhagiog, t, Mont. 1 10 0. 11000 Cardynbam China-clay* \$ 0 0. 6000 Cardynbam China-clay* \$ 0 0.
67	
68 67	4005 Cardigan Consols*
67 66	600 Cardiganshire, l*
88 88	16000 Central Snailbeach l* 1 0 0 1¼ 1 1 2048 Colquite & Callington Un., c. 0 15 0 2½ 2
88 18	50000 Connorree, c, sul, Wicklow*. 1 0 0 — 32 2
36	983 Copper Hill, c, Redruth‡ 12 10 0 12000 Crelake, c, Tavistock 3 12 0
67	6000 Cuddra, t, St. Austell 5 5 0 — 25000 Dundalk, Ireland, l* 0 15 0 —
16	25000 Dundalk, Ireland, I* 0 15 0 . — 25000 Dundalk, Ireland, I* 19 15 0 . — 1000 East Basset and Grylls, t 3 5 0 % 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
17	6000 East Bottle Hill, t 0 11 0 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
36	4000 E. Gunnislake & S. Bed. c 10 15 0 21/2 2 2/4 6000 East Laxey, l, Isle of Man 2 15 0
17	5000 E. Rosewarne, c. t. Gwinear 2 17 0. 36. 1/4
18	5000 E. Rosewarne, c, t, Gwinear 2 17 0 36 14 5 6000 East Snaefell, l, I. of Man* 2 10 0 114 114 5610 East Seton, c, Camborne 0 13 6
38	1190 E. Wh. Agar, c, St. Cleer 12 17 0 —
18	6000 Ebury Lead Min. Co., Flint* 1 15 0 13414 15 6000 Fortescue Cons., c, Tavistock 0 12 6
18	940 Fowey Con. c. Tywardreatht 5 4 6
18	1026 Garden, c, Morvah
16	5700 Goginan, Cardigan, 1
18	486 Grambler & St. Aubyn, c†‡ 73 0 0 — 34
18	6000 Gen. Min. Co. for Ireland, c., 5 10 0., — 40000 Glaggow Caradon o* [30000 £1 pd., 10000 15.pd.] 5700 Goginan, Cardigan, l.,   12 10 0., — 8000 Gothie, s-l, Cardigan* 2 2 10 0., — 486 Grambler & St. Aubyn, ctt., 73 0 0., — 3 10000 Great Cwmsymlog, s-l* 115 0., — 3 4 4096 Great Caradon, c, St. Ive 3 19 0., — 3 3000 Gt. Chiverton, s-l, Perrang.* 3 10 0., — 5 5000 Great Mona, l, Isle of Man* 4 0 0., — 1 2 2 2 2 500 Great Mona, l, Isle of Man* 0 0., — 1 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
18	5000 Great Mona, I, Isle of Man* 4 0 0 —
37	1000 Great N. Tolgus, c, Illogan 10 0 0
	15000 Great Rhosesmor
18	
17	
17	6400 Harwood, l, Durham* 0 7 6 — 1000 Hematite Iron Company* 5 0 0 —
18	2500 Laxey Neath Smelting Co. * 3 10 0 6 1019 Leeds and St. Aubyn, t, c 19 13 4 —
37	1019 Leeds and St. Aubyn, t, c 19 13 4 —
18	5120 Lovell Consols, Wendron, t. 0 4 0 — 6000 Maudlin, c, Lostwithiel 4 7 0 —
37	6000 Mid-Wales, s-l, **
8	640 Mount Pleasant, l, Mold 4 0 0 —
17 16	12800 New Birch Tor & Vitifer, 12. 1 13 6
66	12800 Nether Hearth* [6400 & 1 pd., 6400 28, pd.] 6600 New Birch Tor & Vitifer, tr. 1 13 6 1500 New Chiverton, I, Perranz 0 9 6. 36. 6000 New Clifford, c., Gwennap*. 2 10 0., 2 24000 New Cornish [12000 & 1 pd., 12000 L5s. pd.] 141 6400 N. Crow Hill, J. St. Stephen. 3 5 6 6614 New E. Russell, c. Tavistock 0 12 6 20000 New Gt. Cons. c. Tavistock 8 0 15 0
	6400 N. Crow Hill, t, St. Stephen, 3 5 6. —
1.	6614 New E. Russell, c. Tavistock 0 12 6 — 20000 New Gt. Cons., c, Tavistock 0 15 0 — 3000 New Huntingdon, t, Devon., 0 1 0 —
6	6400 New Pembroke, St. Blaz. t, c 1 9 0
8	5755 New Treleigh, c, Redruth 4 8 0 —
6	667 New Trevenen, t, Wendron, 12 1 6. — 4096 New Wh. Lovell, t, Wendron 1 14 0. — 78 2000 N. Wh. Towan, c, t, Wendron 1 10 0. —
8	5000 No. Doloveth a Cambanna 4 2 0
6	1301 No. Grambler, c, Redruth 8 5 3
6	2000 North Levant, t, c, St. Just., 10 12 0 7
7	4000 No. Phœnix, c, Linkinhorne 4 11 0 — 3933 North Pool, c, Illogan 5 16 0 —
2	1024 No. Retallack c. Perrazabuloe 2 0 0
8	6144 N.W. Robert c Smp Spiney 4 8 11 -
7	
	6000 Pendeen Consols, c. St. Just., 6 15 0
6 7	4000 Penhale United, s-l, Perran.* 075 0 —
6	1772 Polberro, t, St. Agnes 15 0 0 —
7	6000 Reinnie Laxey, l, I, of Man*, 4 10 0
	6000 Roaring Water, C* 2 15 0
7	3973 Rosewarne Cons., c, Gwinear 5 12 6
:	
:	512 South Basset, c, Gwennap 28 10 0 —
	3000 So. Chiverton, s, l, Perranz. 6 2 6 — 6000 S. Dolcoath & Carnarth. Con. 2 16 6 —
-	6000 So. Fowey, c, 1 ywardreath 0 10 0
	3399 So. Herousloot, 6, Liskeard. 4 4 0 3 90210 South of Scotland, c* 1 0 0 2 2739 South Trevenna, c, t 2 10 0 3 937 So. Wh. Crofty, c, Illogan. 24 10 10 13
7	937 So. Wh. Crofty, c, Illogan. 24 10 10. 13 6000 South Wheal Grenville, t, c. 1 3 0. —
	400 So. Wh. Seton, c, Camborne 81 3 0
7	242 Spearne Moor, t, St. Just 6 2 0 — 673 St. Ives Wh. Allen, t, St. Ives 18 18 7 —
6 8	873 St. Just Amalg., t, \$6.00 £3 10s. pd., 2771 £2 £1 300 Steeple Aston Iron Ore Co 4 0 0 71%
6	300 Steeple Aston Iron Ore Co 4 0 0 71% 7000 Stiperstones, I, Salop* 5 10 0
7	501 Tresavean and Trethurrup. 16 11 0
3	
8	4200 Vigra and Clogau, c, Dolg. \$\frac{1}{2}, \frac{5}{2} 10 0
3	1819 West Cwm Erfin, l* [319 £4 paid]
3	12000 W. Maria & Polices, C, Liam., 8 11 6.,
8	1000 West Rose Down, c, Linking. 20 5 0 — 512 West Tolgus, c, Redruth 58 10 0 — 9
8	512 W. Wh. Frances, t, Illogan 106 15 0 30 334 4066 W.Wh. Tremayne, c, St. Erth 0 6 0 —
6 7	741 Wheal Basset and Grylis, t 7 18 6 — 6000 Wheal Crebor, c. Tavistock. 2 6 6 —
7	4000 Wh. Emma, c, Buckfastleigh 3 19 0
8	6000 Wheal Ida, s-l, St. Ive 1 5 0 — 1024 Wh. Kitty, t, Uny Lelantt 3 10 6 — 4896 Wh. Margaret t, Ivy, Let. 12 12 6 — 4
8	896 Wh. Margaret, t, Uny Le. 1. 13 17 6
8	1000 Wh.MaryHutchins.c.Plymp. 2 0 6
8	1920 Wh. Trannack, c, Sithney. 1 13 3
5	1200 Wheal Trevenna, t, c* 10 0 0 \
1	-

#### MISCELLANEOUS.

 $b, \, {\tt blende} \, ; \, cl, \, {\tt coal} \, ; \, c, \, {\tt copper}; \, g, \, {\tt gold} \, ; \, \, l, \, {\tt lead} \, ; \, s, \, {\tt silver}; \, sl., \, {\tt elate} \, ; \, s\cdot l, \, {\tt silver-lead} \, ; \, t, \, {\tt tin} \, ; \, z, \, {\tt zinc.}$ \*.\* Companies marked thus \* have been incorporated with Limited Liability; those marked † have been admitted on the Stock Exchange, those marked thus \$ have paid Dividends.

London: Printed by RICHARD MIDDLETON, and published by HENRY English (the proprietors), at their office, 26, Fleet Street, E.C., where all munications are requested to be addressed.—March 28, 1868.